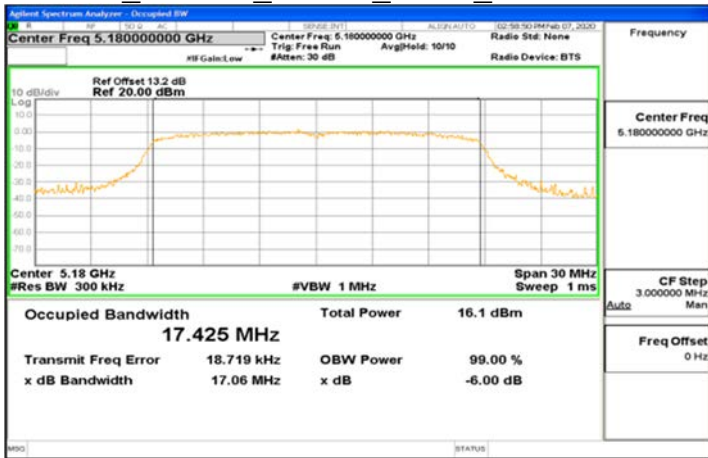
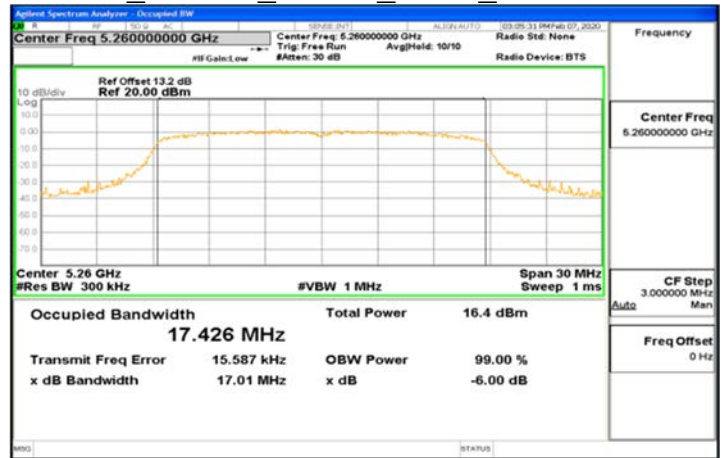


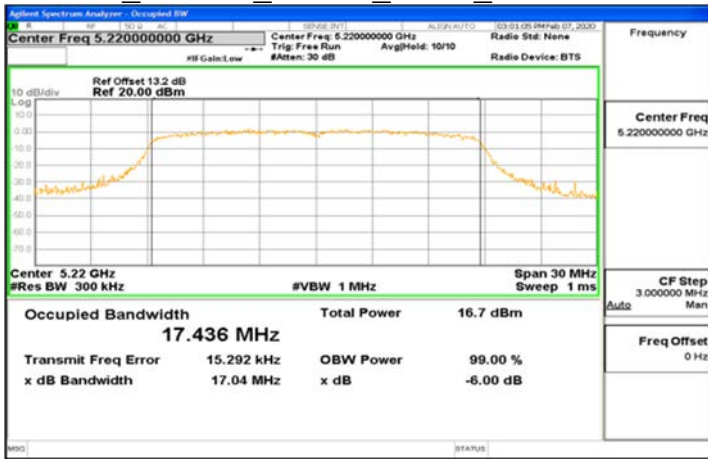
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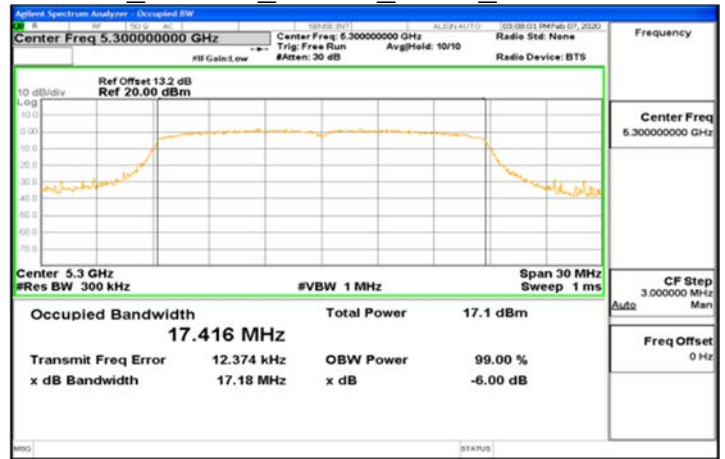
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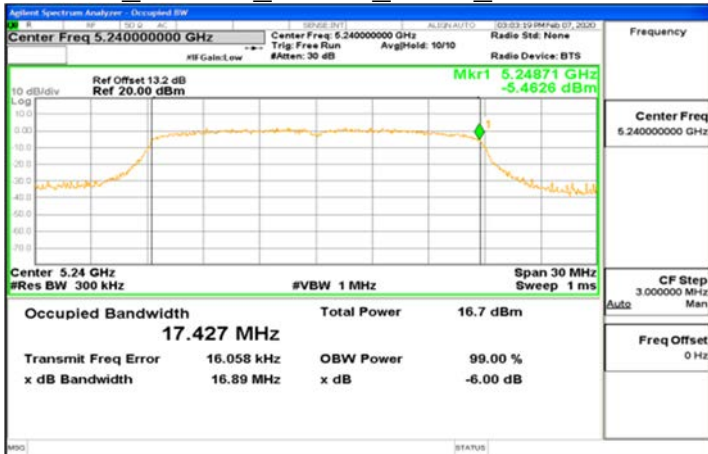
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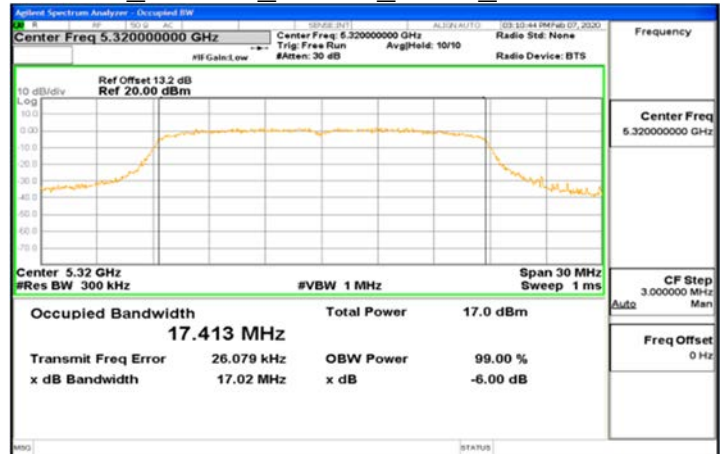
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IC\_802.11n\_20MHz\_AUX1\_5240MHz



IC\_802.11n\_20MHz\_AUX1\_5320MHz



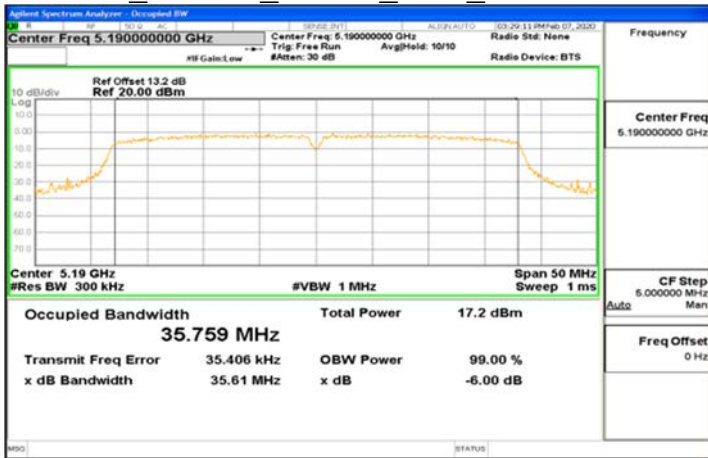
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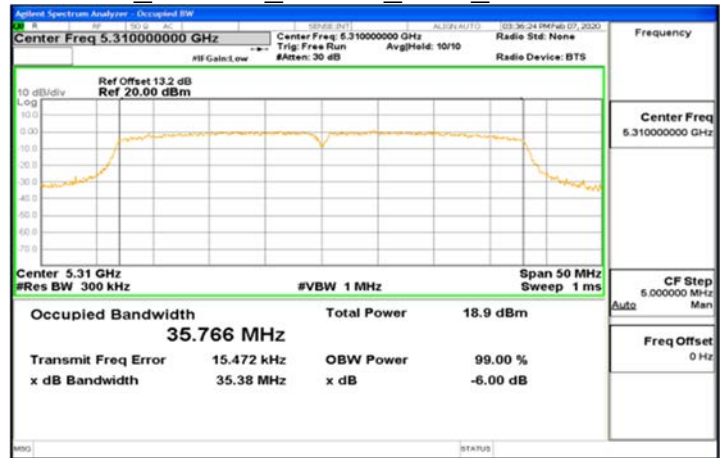
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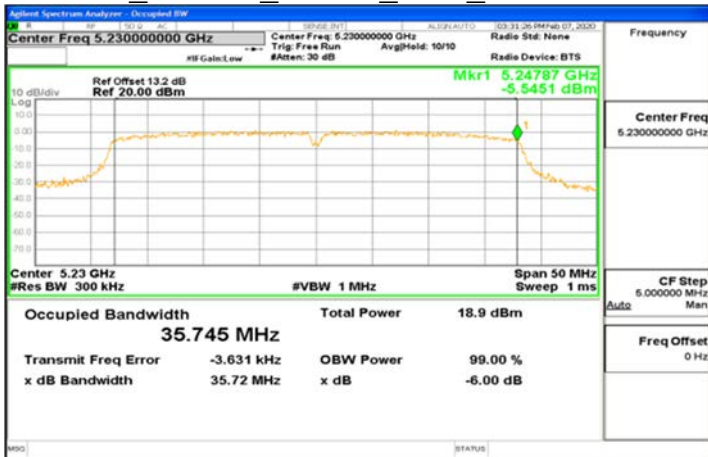
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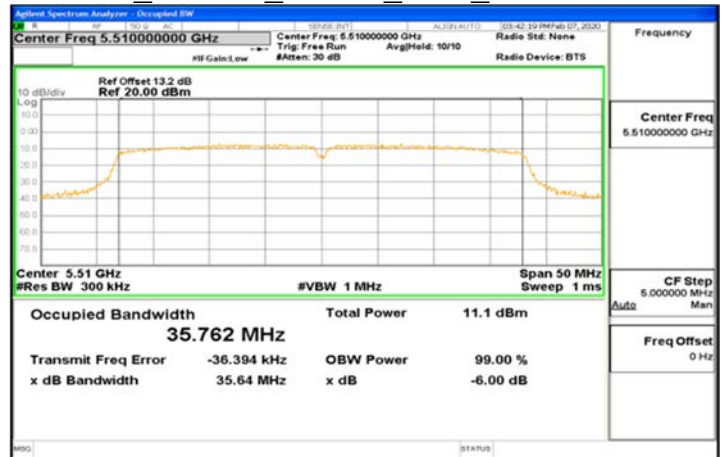
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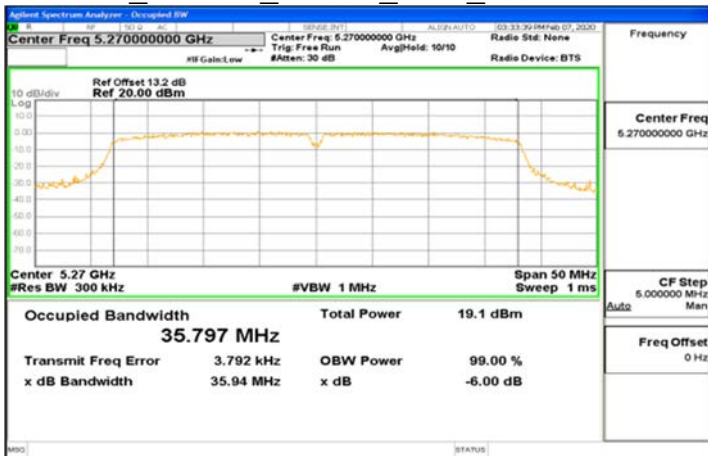
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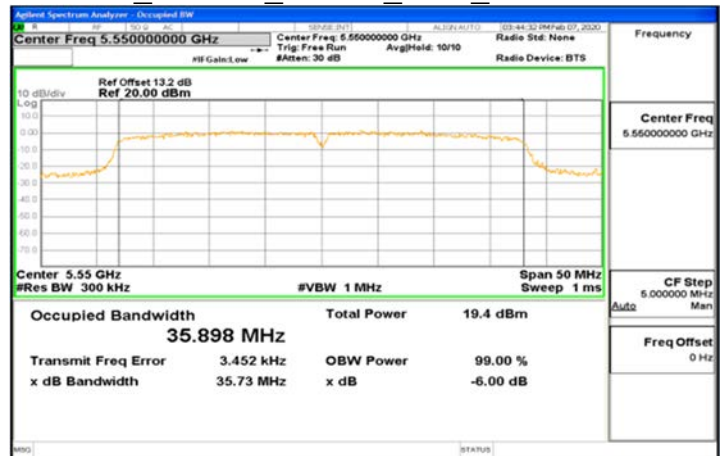
IC\_802.11n\_40MHz\_Main\_5510MHz



IC\_802.11n\_40MHz\_Main\_5270MHz



IC\_802.11n\_40MHz\_Main\_5550MHz



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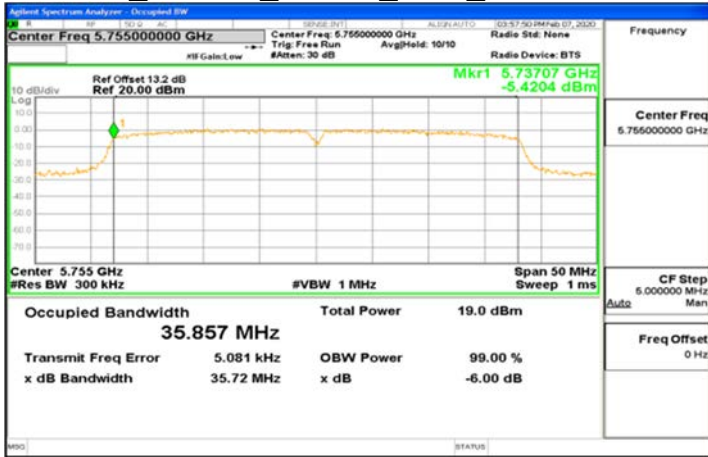
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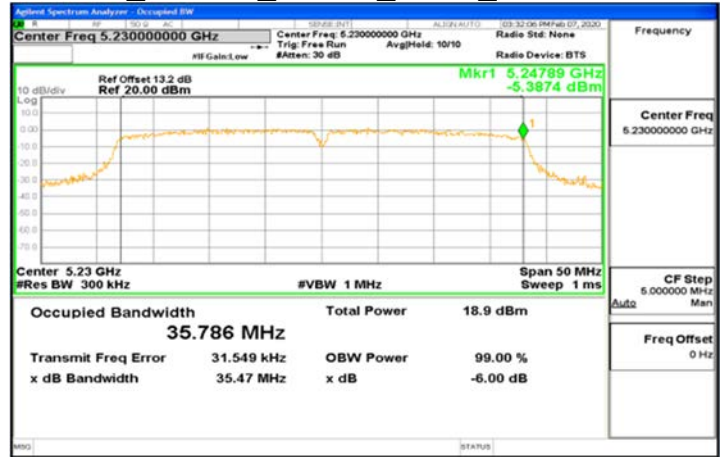
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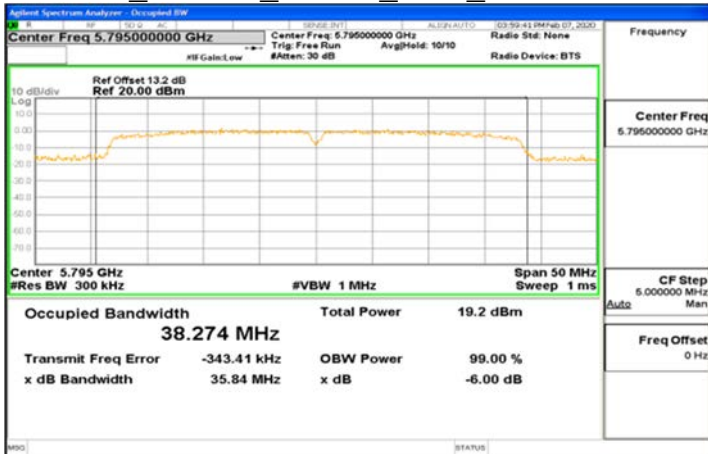
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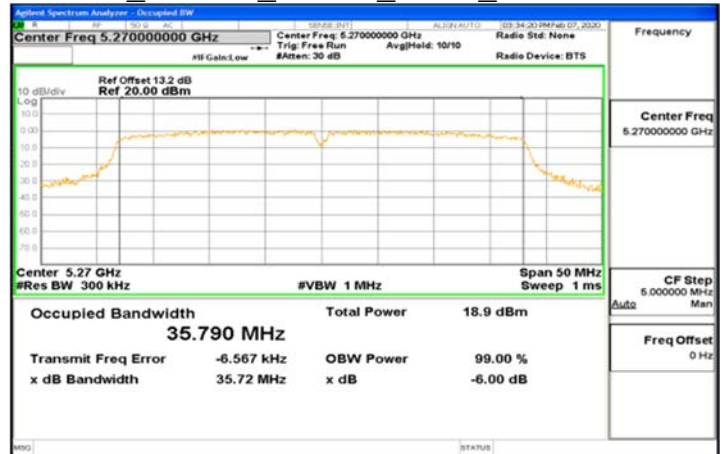
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IC\_802.11n\_40MHz\_Main\_5795MHz



IC\_802.11n\_40MHz\_AUX1\_5270MHz

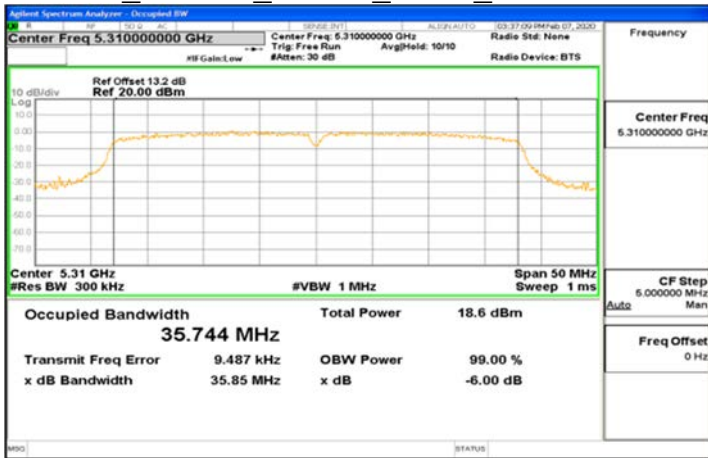


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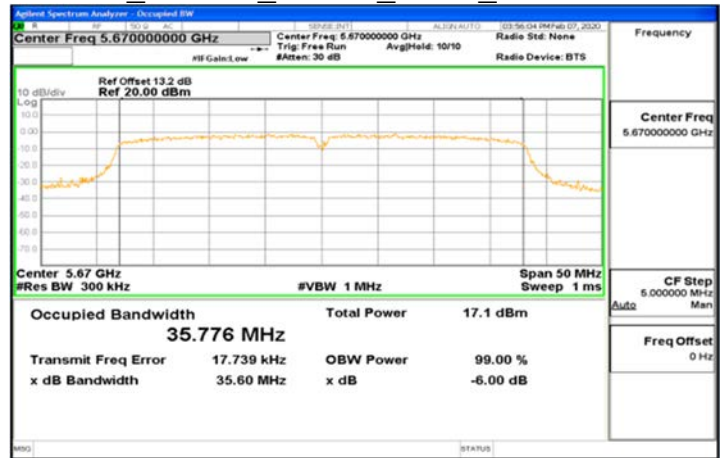
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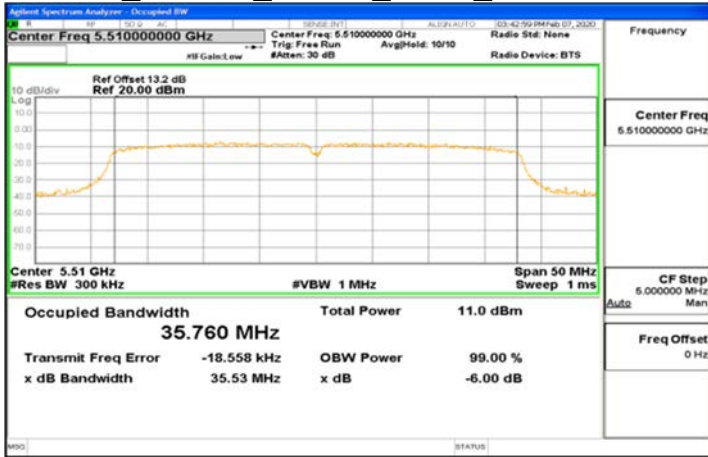
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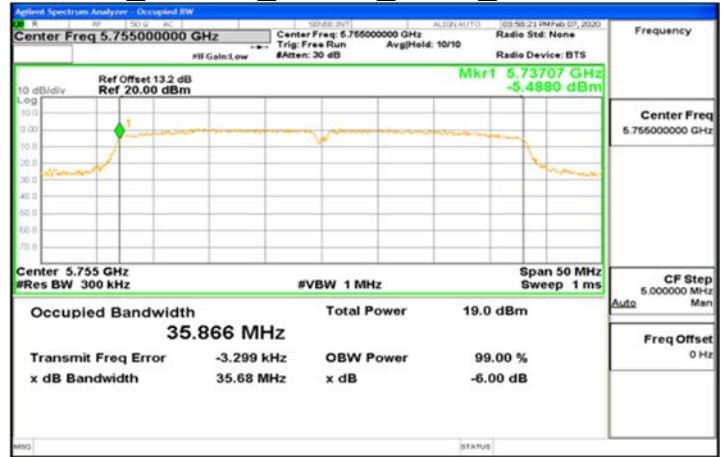
IC\_802.11n\_40MHz\_AUX1\_5670MHz



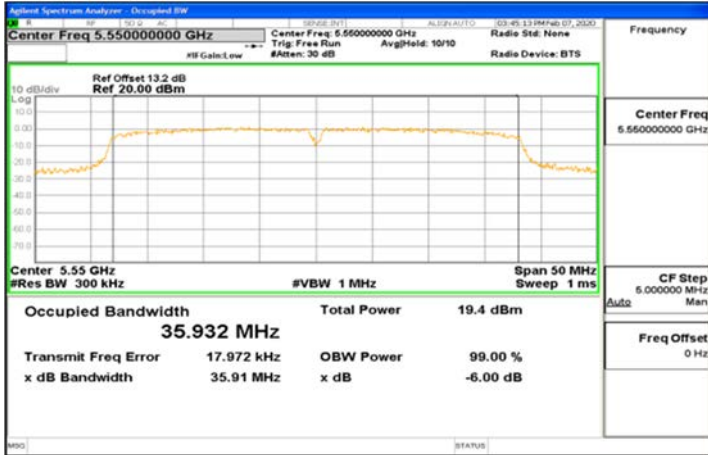
IC\_802.11n\_40MHz\_AUX1\_5510MHz



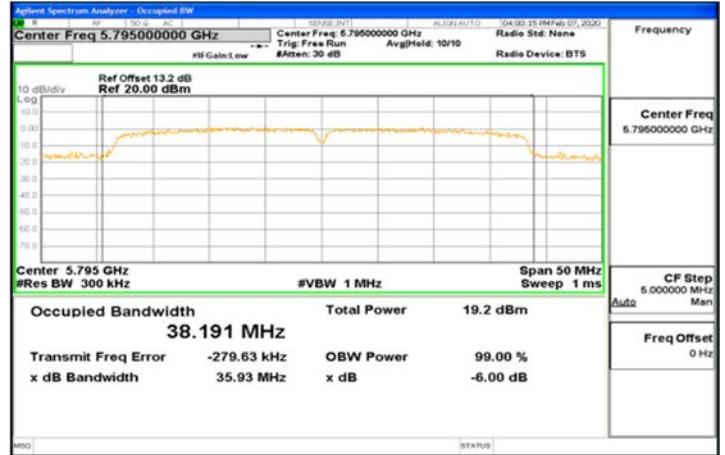
IC\_802.11n\_40MHz\_AUX1\_5755MHz



IC\_802.11n\_40MHz\_AUX1\_5550MHz



IC\_802.11n\_40MHz\_AUX1\_5795MHz

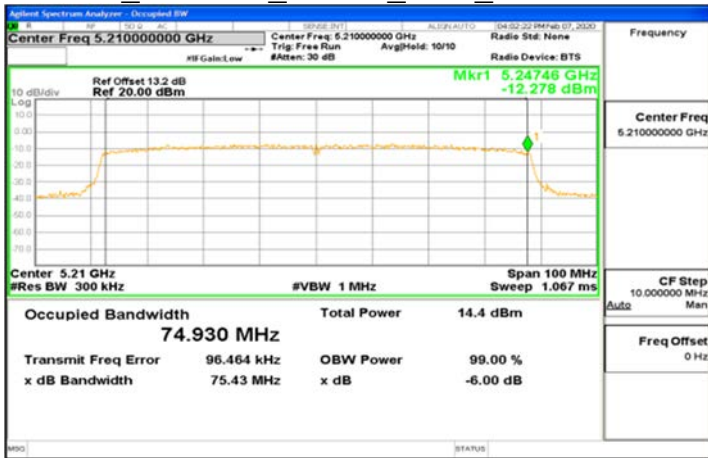


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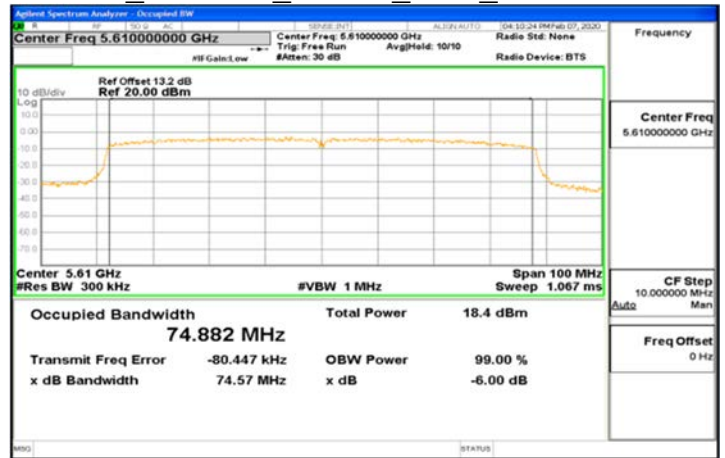
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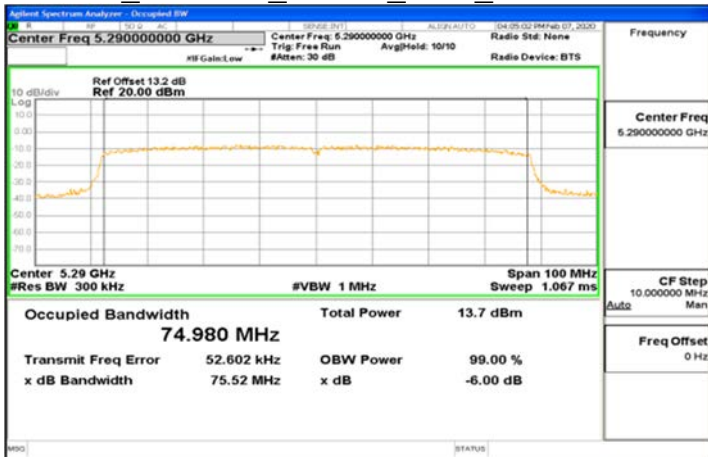
IC\_802.11ac\_80MHz\_Main\_5210MHz



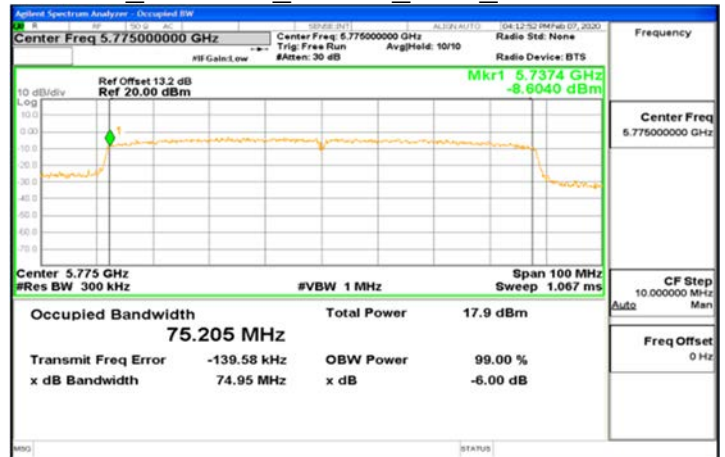
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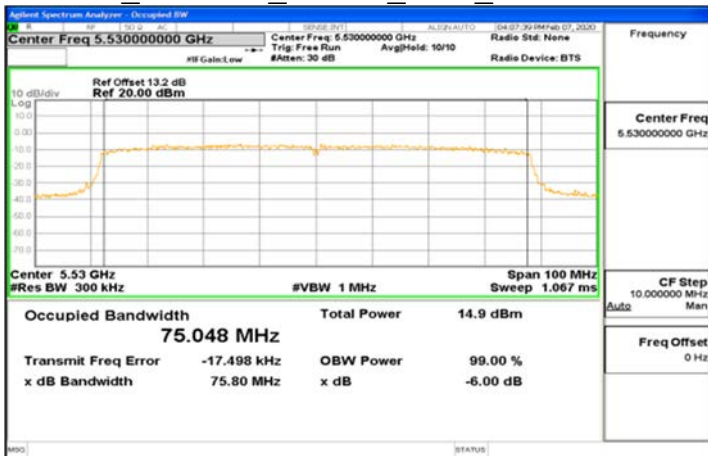
IC\_802.11ac\_80MHz\_Main\_5290MHz



IC\_802.11ac\_80MHz\_Main\_5775MHz



IC\_802.11ac\_80MHz\_Main\_5530MHz



IC\_802.11ac\_80MHz\_AUX1\_5210MHz

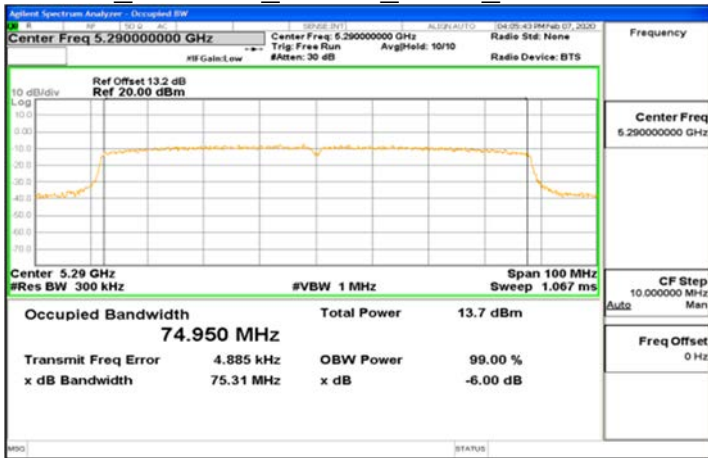


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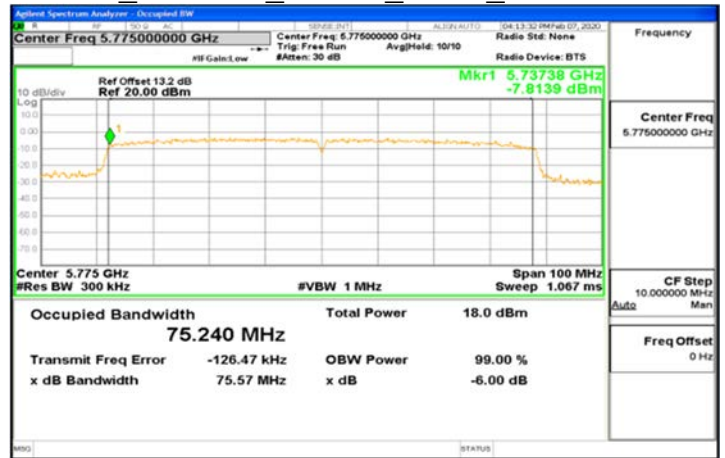
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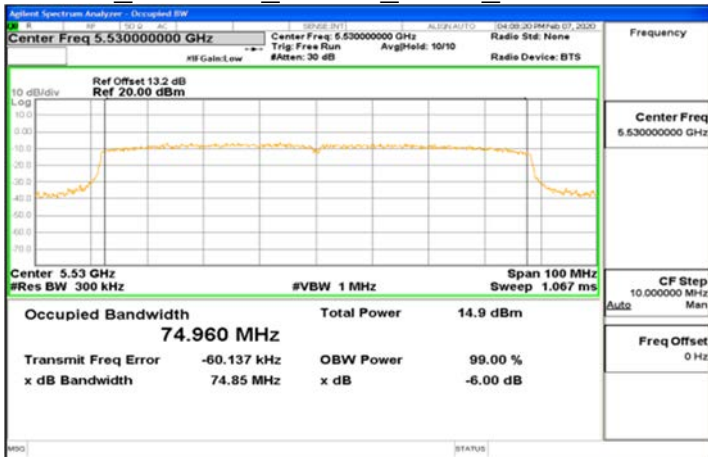
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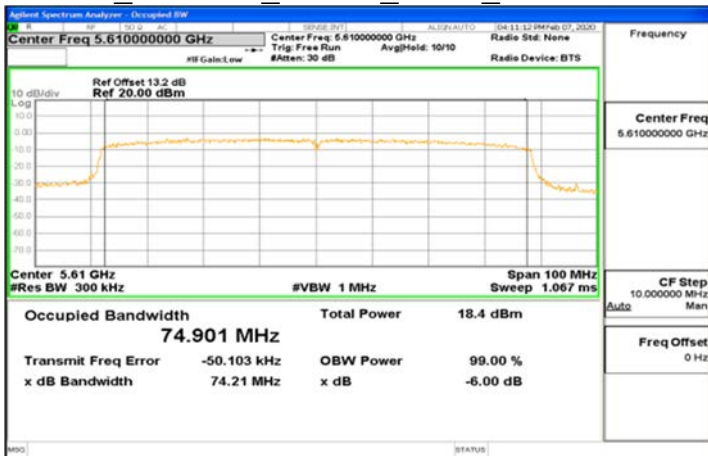
IC\_802.11ac\_80MHz\_AUX1\_5775MHz



IC\_802.11ac\_80MHz\_AUX1\_5530MHz



IC\_802.11ac\_80MHz\_AUX1\_5610MHz



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## 9 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

### 9.1 Standard Applicable

#### FCC

OPERZTION Band	EUT CATEGORY	LIMIT
U-NII-1	Access Point (Master device )	1 Watt(30dBm)
	Fixed point-to-point Access Ponit	1 Watt(30dBm)
	√ Mobile and portable client device	250mW(23.98dBm)
U-NII-2A	√	250mW(23.98dBm) or 11dBm+10 log B
U-NII-2C	√	250mW(23.98dBm) or 11dBm+10 log B
U-NII-3	√	1 Watt(30dBm)

If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna exceeds 6 dBi.

#### ISED

OPERZTION FREQUENCY BAND	LIMIT
5150~5250 MHz	EIRP shall not exceed 200 mW or 10 + 10 log <sub>10</sub> B, dBm
5250~5350 MHz	Conducted output power shall not exceed 250 mW or 11 +10 log <sub>10</sub> B EIRP shall not exceed 1.0 W or 17 + 10 log <sub>10</sub> B, dBm
5470-5600 MHz and 5650-5725 MHz	Conducted output power shall not exceed 250 mW or 11 +10 log <sub>10</sub> B EIRP shall not exceed 1.0 W or 17 + 10 log <sub>10</sub> B, dBm
5725~5850 MHz	Conducted output power shall not exceed 1 W

For equipment operating in the band **5725-5850** MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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**Note:**

As per FCC KDB 662911 D01

Unequal antenna gains, with equal transmit powers. For antenna gains given by G1, G2, ..., GN dBi.

(i) If transmit signals are correlated, then Directional gain  
 $= 10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{ dBi}$

[Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

The antenna gain is greater than 6 dBi in MIMO mode, therefore the limit needs to be reduced as below:

	Effective Legacy Gain (dBi)	Conducted Power Limit (dBm)
<b>UNII-1</b>	9.12	20.86
<b>UNII-2A</b>	9.12	20.86
<b>U-NII-2C</b>	9.12	20.86
<b>U-NII-3</b>	9.12	26.88

**9.2 Measurement Procedure**

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter
4. Power Meter is used as the auxiliary test equipment to conduct the output power measurement.
5. Record the max. reading and add  $10 \log(1/\text{duty cycle})$ .
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.

**9.3 Measurement Equipment Used**

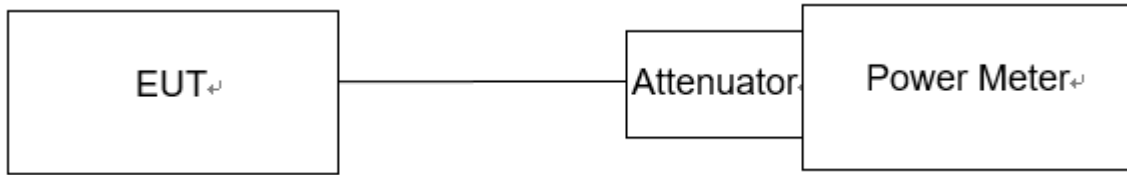
SGS Conducted Room					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power Meter	Anritsu	ML2496A	1804001	02/13/2019	02/12/2020
Power Sensor	Anritsu	MA2411B	1726104	02/13/2019	02/12/2020
Power Sensor	Anritsu	MA2411B	1726107	02/13/2019	02/12/2020
Attenuator	Mini-Circuit	BW-S10W2+	2	01/05/2019	01/04/2020
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2020	01/01/2021

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## 9.4 Test Set-up



## 9.5 Measurement Result

### 9.5.1 Conducted output power (FCC)

#### 802.11a\_Ch0

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	8.91	7.785	23.87	PASS
44	5220	6	8.89	7.750	23.87	PASS
48	5240	6	<b>10.16</b>	10.382	23.87	PASS
52	5260	6	13.27	21.246	23.87 or $11+10\log(B) = 23.74$	PASS
60	5300	6	<b>13.79</b>	23.948	23.87 or $11+10\log(B) = 23.92$	PASS
64	5320	6	13.64	23.135	23.87 or $11+10\log(B) = 23.85$	PASS
100	5500	6	8.43	6.971	23.87 or $11+10\log(B) = 23.77$	PASS
116	5580	6	<b>13.52</b>	22.505	23.87 or $11+10\log(B) = 24.39$	PASS
140	5700	6	6.15	4.124	23.87 or $11+10\log(B) = 23.80$	PASS
149	5745	6	13.48	22.299	29.89	PASS
157	5785	6	<b>13.51</b>	22.453	29.89	PASS
165	5825	6	13.30	21.393	29.89	PASS

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802.11a\_Ch1

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	<b>8.79</b>	7.573	23.87	PASS
44	5220	6	8.45	7.003	23.87	PASS
48	5240	6	8.71	7.435	23.87	PASS
52	5260	6	13.20	20.906	23.87 or 11+10log(B) = 24.45	PASS
60	5300	6	<b>13.64</b>	23.135	23.87 or 11+10log(B) = 24.05	PASS
64	5320	6	12.78	18.979	23.87 or 11+10log(B) = 23.76	PASS
100	5500	6	7.75	5.960	23.87 or 11+10log(B) = 23.86	PASS
116	5580	6	<b>12.92</b>	19.601	23.87 or 11+10log(B) = 24.33	PASS
140	5700	6	5.51	3.559	23.87 or 11+10log(B) = 23.84	PASS
149	5745	6	<b>13.18</b>	20.810	29.89	PASS
157	5785	6	13.12	20.525	29.89	PASS
165	5825	6	12.96	19.782	29.89	PASS

Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
5180	6	8.61	8.56	11.82	15.199	20.85970004	PASS
5220	6	8.62	8.41	11.75	14.960	20.85970004	PASS
5240	6	8.91	8.6	<b>11.99</b>	15.816	20.85970004	PASS
5260	6	13.13	12.96	16.28	42.451	20.86 or 11+10log(B) = 23.74	PASS
5300	6	13.34	13.3	<b>16.55</b>	45.218	20.86 or 11+10log(B) = 23.92	PASS
5320	6	13.33	13.12	16.46	44.252	20.86 or 11+10log(B) = 23.76	PASS
5500	6	8.25	7.65	11.19	13.163	20.86 or 11+10log(B) = 23.77	PASS
5580	6	13.08	12.77	<b>16.16</b>	41.313	20.86 or 11+10log(B) = 24.33	PASS
5700	6	5.76	5.34	8.79	7.565	20.86 or 11+10log(B) = 23.80	PASS
5745	6	13.02	12.96	16.22	41.910	26.87970004	PASS
5785	6	13.08	12.94	<b>16.24</b>	42.108	26.87970004	PASS
5825	6	12.99	12.82	16.14	41.105	26.87970004	PASS

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## 802.11n\_HT20\_Ch0

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	<b>9.54</b>	9.002	23.87	PASS
44	5220	MCS0	9.33	8.577	23.87	PASS
48	5240	MCS0	9.28	8.478	23.87	PASS
52	5260	MCS0	12.33	17.113	23.87 or 11+10log(B) = 23.96	PASS
60	5300	MCS0	12.53	17.919	23.87 or 11+10log(B) = 23.96	PASS
64	5320	MCS0	<b>12.58</b>	18.127	23.87 or 11+10log(B) = 23.97	PASS
100	5500	MCS0	7.98	6.285	23.87 or 11+10log(B) = 23.97	PASS
116	5580	MCS0	<b>12.61</b>	18.252	23.87 or 11+10log(B) = 24.23	PASS
140	5700	MCS0	6.19	4.162	23.87 or 11+10log(B) = 23.97	PASS
149	5745	MCS0	12.39	17.351	29.89	PASS
157	5785	MCS0	<b>12.41</b>	17.431	29.89	PASS
165	5825	MCS0	12.30	16.995	29.89	PASS

## 802.11n\_HT20\_Ch1

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	<b>9.28</b>	8.478	23.87	PASS
44	5220	MCS0	9.21	8.343	23.87	PASS
48	5240	MCS0	9.03	8.004	23.87	PASS
52	5260	MCS0	12.31	17.034	23.87 or 11+10log(B) = 23.96	PASS
60	5300	MCS0	<b>12.38</b>	17.311	23.87 or 11+10log(B) = 23.98	PASS
64	5320	MCS0	12.29	16.956	23.87 or 11+10log(B) = 23.97	PASS
100	5500	MCS0	7.14	5.180	23.87 or 11+10log(B) = 23.96	PASS
116	5580	MCS0	<b>12.34</b>	17.152	23.87 or 11+10log(B) = 24.22	PASS
140	5700	MCS0	5.37	3.446	23.87 or 11+10log(B) = 23.97	PASS
149	5745	MCS0	11.69	14.768	29.89	PASS
157	5785	MCS0	<b>12.00</b>	15.860	29.89	PASS
165	5825	MCS0	11.92	15.571	29.89	PASS

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Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
5180	MCS8	9.17	9.09	<b>12.49</b>	17.757	20.85970004	PASS
5220	MCS8	8.96	8.86	12.27	16.880	20.85970004	PASS
5240	MCS8	8.89	8.57	12.10	16.205	20.85970004	PASS
5260	MCS8	12.02	11.7	15.23	33.315	20.86 or 11+10log(B) = 23.96	PASS
5300	MCS8	12.18	12.08	15.49	35.430	20.86 or 11+10log(B) = 23.96	PASS
5320	MCS8	12.22	12.17	<b>15.56</b>	35.963	20.86 or 11+10log(B) = 23.97	PASS
5500	MCS8	7.32	6.75	10.41	10.985	20.86 or 11+10log(B) = 23.96	PASS
5580	MCS8	12.2	12.06	<b>15.49</b>	35.433	20.86 or 11+10log(B) = 24.22	PASS
5700	MCS8	5.48	4.84	8.54	7.137	20.86 or 11+10log(B) = 23.97	PASS
5745	MCS8	11.8	11.46	15.00	31.599	26.87970004	PASS
5785	MCS8	11.9	11.82	<b>15.22</b>	33.294	26.87970004	PASS
5825	MCS8	11.84	11.65	15.11	32.430	26.87970004	PASS

**802.11ac VHT20 Ch0**

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	10.19	10.448	23.87	PASS
44	5220	MCS0	<b>10.40</b>	10.965	23.87	PASS
48	5240	MCS0	10.27	10.642	23.87	PASS
52	5260	MCS0	12.19	16.558	23.87 or 11+10log(B) = 23.96	PASS
60	5300	MCS0	12.44	17.539	23.87 or 11+10log(B) = 23.96	PASS
64	5320	MCS0	<b>12.53</b>	17.907	23.87 or 11+10log(B) = 23.97	PASS
100	5500	MCS0	7.77	5.984	23.87 or 11+10log(B) = 23.97	PASS
116	5580	MCS0	<b>12.33</b>	17.101	23.87 or 11+10log(B) = 24.23	PASS
140	5700	MCS0	5.95	3.936	23.87 or 11+10log(B) = 23.97	PASS
149	5745	MCS0	12.23	16.712	29.89	PASS
157	5785	MCS0	<b>12.28</b>	16.905	29.89	PASS
165	5825	MCS0	12.18	16.520	29.89	PASS

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802.11ac\_VHT20\_Ch1

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	9.99	9.977	23.87	PASS
44	5220	MCS0	9.91	9.795	23.87	PASS
48	5240	MCS0	9.87	9.705	23.87	PASS
52	5260	MCS0	11.80	15.136	23.87 or 11+10log(B) = 23.96	PASS
60	5300	MCS0	12.23	16.712	23.87 or 11+10log(B) = 23.98	PASS
64	5320	MCS0	12.00	15.850	23.87 or 11+10log(B) = 23.97	PASS
100	5500	MCS0	6.87	4.864	23.87 or 11+10log(B) = 23.96	PASS
116	5580	MCS0	11.65	14.622	23.87 or 11+10log(B) = 24.22	PASS
140	5700	MCS0	5.10	3.236	23.87 or 11+10log(B) = 23.97	PASS
149	5745	MCS0	11.27	13.397	29.89	PASS
157	5785	MCS0	11.35	13.646	29.89	PASS
165	5825	MCS0	11.49	14.093	29.89	PASS

Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
5180	MCS0	9.13	9.01	12.32	17.064	20.85970004	PASS
5220	MCS0	8.91	8.78	12.10	16.203	20.85970004	PASS
5240	MCS0	8.79	8.46	11.88	15.412	20.85970004	PASS
5260	MCS0	11.77	11.71	14.99	31.554	20.86 or 11+10log(B) = 23.96	PASS
5300	MCS0	12.1	11.9	15.25	33.509	20.86 or 11+10log(B) = 23.96	PASS
5320	MCS0	12.05	12.01	15.28	33.733	20.86 or 11+10log(B) = 23.97	PASS
5500	MCS0	7.19	6.63	10.17	10.398	20.86 or 11+10log(B) = 23.96	PASS
5580	MCS0	12	11.53	15.02	31.782	20.86 or 11+10log(B) = 24.22	PASS
5700	MCS0	5.33	4.71	8.28	6.732	20.86 or 11+10log(B) = 23.97	PASS
5745	MCS0	11.84	11.06	14.72	29.634	26.87970004	PASS
5785	MCS0	11.77	11.13	14.71	29.595	26.87970004	PASS
5825	MCS0	11.84	10.96	14.67	29.327	26.87970004	PASS

802.11n\_HT40\_Ch0

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	11.27	13.391	23.87	PASS
46	5230	MCS0	10.99	12.555	23.87	PASS
54	5270	MCS0	12.72	18.699	23.87 or 11+10log(B) = 27.33	PASS
62	5310	MCS0	12.17	16.475	23.87 or 11+10log(B) = 27.19	PASS
102	5510	MCS0	5.00	3.161	23.87 or 11+10log(B) = 27.33	PASS
110	5550	MCS0	12.99	19.899	23.87 or 11+10log(B) = 27.90	PASS
134	5670	MCS0	10.88	12.241	23.87 or 11+10log(B) = 27.29	PASS
151	5755	MCS0	12.73	18.742	29.89	PASS
159	5795	MCS0	12.76	18.872	29.89	PASS

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**802.11n\_HT40\_Ch1**

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	<b>11.16</b>	13.056	23.87	PASS
46	5230	MCS0	10.67	11.663	23.87	PASS
54	5270	MCS0	11.68	14.717	23.87 or $11+10\log(B) = 27.05$	PASS
62	5310	MCS0	<b>11.97</b>	15.733	23.87 or $11+10\log(B) = 27.30$	PASS
102	5510	MCS0	4.30	2.690	23.87 or $11+10\log(B) = 27.35$	PASS
110	5550	MCS0	<b>11.77</b>	15.025	23.87 or $11+10\log(B) = 27.94$	PASS
134	5670	MCS0	9.97	9.927	23.87 or $11+10\log(B) = 27.20$	PASS
151	5755	MCS0	11.02	12.642	23.87	PASS
159	5795	MCS0	<b>11.51</b>	14.152	29.89	PASS

Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
5190	MCS8	10.31	10.15	<b>13.67</b>	23.277	20.85970004	PASS
5230	MCS8	10.12	10.08	13.54	22.587	20.85970004	PASS
5270	MCS8	12.48	12.11	<b>15.74</b>	37.476	20.86 or $11+10\log(B) = 27.05$	PASS
5310	MCS8	11.12	11.06	14.53	28.370	20.86 or $11+10\log(B) = 27.19$	PASS
5510	MCS8	3.95	3.44	7.14	5.177	20.86 or $11+10\log(B) = 27.33$	PASS
5550	MCS8	12.45	12.29	<b>15.81</b>	38.100	20.86 or $11+10\log(B) = 27.90$	PASS
5670	MCS8	9.87	9.32	13.04	20.148	20.86 or $11+10\log(B) = 27.20$	PASS
5755	MCS8	12.03	11.7	15.31	33.937	26.87970004	PASS
5795	MCS8	12.05	12.03	<b>15.48</b>	35.307	26.87970004	PASS

**802.11ac\_VHT40\_Ch0**

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	<b>11.22</b>	13.255	23.87	PASS
46	5230	MCS0	10.98	12.542	23.87	PASS
54	5270	MCS0	<b>12.59</b>	18.171	23.87 or $11+10\log(B) = 27.33$	PASS
62	5310	MCS0	12.12	16.307	23.87 or $11+10\log(B) = 27.19$	PASS
102	5510	MCS0	4.95	3.129	23.87 or $11+10\log(B) = 27.33$	PASS
110	5550	MCS0	<b>12.94</b>	19.696	23.87 or $11+10\log(B) = 27.90$	PASS
134	5670	MCS0	10.87	12.229	23.87 or $11+10\log(B) = 27.29$	PASS
151	5755	MCS0	<b>12.69</b>	18.594	29.89	PASS
159	5795	MCS0	12.63	18.339	29.89	PASS

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## 802.11ac\_VHT40\_Ch1

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	11.14	13.013	23.87	PASS
46	5230	MCS0	10.64	11.598	23.87	PASS
54	5270	MCS0	11.61	14.500	23.87 or 11+10log(B) = 27.05	PASS
62	5310	MCS0	11.95	15.681	23.87 or 11+10log(B) = 27.30	PASS
102	5510	MCS0	4.22	2.645	23.87 or 11+10log(B) = 27.35	PASS
110	5550	MCS0	11.63	14.567	23.87 or 11+10log(B) = 27.94	PASS
134	5670	MCS0	9.94	9.871	23.87 or 11+10log(B) = 27.20	PASS
151	5755	MCS0	11.00	12.600	23.87	PASS
159	5795	MCS0	10.81	12.061	29.89	PASS

Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
5190	MCS0	10.16	9.86	13.64	23.103	20.85970004	PASS
5230	MCS0	9.89	9.84	13.49	22.331	20.85970004	PASS
5270	MCS0	12.16	12.01	15.71	37.237	20.86 or 11+10log(B) = 27.05	PASS
5310	MCS0	10.97	10.83	14.52	28.344	20.86 or 11+10log(B) = 27.19	PASS
5510	MCS0	3.73	3.29	7.14	5.176	20.86 or 11+10log(B) = 27.33	PASS
5550	MCS0	12.2	11.9	15.68	36.955	20.86 or 11+10log(B) = 27.90	PASS
5670	MCS0	9.62	9.19	13.03	20.111	20.86 or 11+10log(B) = 27.20	PASS
5755	MCS0	11.7	11.4	15.18	32.936	26.87970004	PASS
5795	MCS0	12.02	11.23	15.27	33.628	26.87970004	PASS

## 802.11ac\_VHT80\_Ch0

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	7.98	6.277	23.87	PASS
58	5290	MCS0	7.23	5.281	23.87 or 11+10log(B) = 30.14	PASS
106	5530	MCS0	8.36	6.851	23.87 or 11+10log(B) = 30.13	PASS
122	5610	MCS0	11.56	14.313	23.87 or 11+10log(B) = 30.09	PASS
155	5775	MCS0	11.42	13.859	29.89	PASS

## 802.11ac\_VHT80\_Ch1

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	7.86	6.106	23.87	PASS
58	5290	MCS0	7.11	5.137	23.87 or 11+10log(B) = 30.18	PASS
106	5530	MCS0	8.11	6.468	23.87 or 11+10log(B) = 30.09	PASS
122	5610	MCS0	8.10	6.453	23.87 or 11+10log(B) = 30.21	PASS
155	5775	MCS0	7.98	6.277	23.87	PASS

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Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
5210	MCS0	7.02	6.88	<b>11.01</b>	12.613	20.85970004	PASS
5290	MCS0	6.33	5.99	<b>10.22</b>	10.522	20.86 or $11+10\log(B) = 30.14$	PASS
5530	MCS0	7.23	7.12	11.23	13.283	20.86 or $11+10\log(B) = 30.09$	PASS
5610	MCS0	10.58	10.14	<b>14.42</b>	27.690	20.86 or $11+10\log(B) = 30.09$	PASS
5775	MCS0	10.27	9.29	<b>13.87</b>	24.352	26.87970004	PASS

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## 9.5.2 ISED EIRP

### 802.11a\_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	8.91	6.110	15.02	31.789	23.01	or 10+10log(B)= 22.13	PASS
44	5220	8.89	6.110	15.00	31.643	23.01	or 10+10log(B)= 22.13	PASS
48	5240	<b>10.16</b>	6.110	<b>16.27</b>	<b>42.391</b>	23.01	or 10+10log(B)= 22.12	PASS
52	5260	13.27	6.110	19.38	86.751	30	or 17+10log(B)= 29.12	PASS
60	5300	<b>13.79</b>	6.110	<b>19.90</b>	<b>97.786</b>	30	or 17+10log(B)= 29.13	PASS
64	5320	13.64	6.110	19.75	94.466	30	or 17+10log(B)= 29.13	PASS
100	5500	8.43	6.110	14.54	28.463	30	or 17+10log(B)= 29.12	PASS
116	5580	<b>13.52</b>	6.110	<b>19.63</b>	<b>91.892</b>	30	or 17+10log(B)= 29.15	PASS
140	5700	<b>6.15</b>	6.110	<b>12.26</b>	<b>16.837</b>	30	or 17+10log(B)= 29.13	PASS

### 802.11a\_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	<b>8.79</b>	6.110	<b>14.90</b>	<b>30.923</b>	23.01	or 10+10log(B)= 22.14	PASS
44	5220	8.45	6.110	14.56	28.594	23.01	or 10+10log(B)= 22.14	PASS
48	5240	8.71	6.110	14.82	30.358	23.01	or 10+10log(B)= 22.14	PASS
52	5260	13.20	6.110	19.31	85.364	30	or 17+10log(B)= 29.14	PASS
60	5300	<b>13.64</b>	6.110	<b>19.75</b>	<b>94.466</b>	30	or 17+10log(B)= 29.14	PASS
64	5320	12.78	6.110	18.89	77.495	30	or 17+10log(B)= 29.13	PASS
100	5500	7.75	6.110	13.86	24.338	30	or 17+10log(B)= 29.13	PASS
116	5580	<b>12.92</b>	6.110	<b>19.03</b>	<b>80.034</b>	30	or 17+10log(B)= 29.15	PASS
140	5700	<b>5.51</b>	6.110	<b>11.62</b>	<b>14.530</b>	30	or 17+10log(B)= 29.12	PASS

### 802.11a\_2Tx

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	11.82	9.120	20.94	124.121	23.01	or 10+10log(B)= 22.13	PASS
44	5220	11.75	9.120	20.87	122.170	23.01	or 10+10log(B)= 22.13	PASS
48	5240	<b>11.99</b>	9.120	<b>21.11</b>	<b>129.156</b>	23.01	or 10+10log(B)= 22.12	PASS
52	5260	16.28	9.120	25.40	346.673	30	or 17+10log(B)= 29.12	PASS
60	5300	<b>16.55</b>	9.120	<b>25.67</b>	<b>369.267</b>	30	or 17+10log(B)= 29.13	PASS
64	5320	16.46	9.120	25.58	361.379	30	or 17+10log(B)= 29.13	PASS
100	5500	11.19	9.120	20.31	107.491	30	or 17+10log(B)= 29.12	PASS
116	5580	<b>16.16</b>	9.120	<b>25.28</b>	<b>337.375</b>	30	or 17+10log(B)= 29.15	PASS
140	5700	<b>8.79</b>	9.120	<b>17.91</b>	<b>61.779</b>	30	or 17+10log(B)= 29.12	PASS

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## 802.11n\_HT20\_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	9.54	6.110	15.65	36.755	23.01	or 10+10log(B)= 22.41	PASS
44	5220	9.33	6.110	15.44	35.020	23.01	or 10+10log(B)= 22.41	PASS
48	5240	9.28	6.110	15.39	34.619	23.01	or 10+10log(B)= 22.41	PASS
52	5260	12.33	6.110	18.44	69.874	30	or 17+10log(B)= 29.41	PASS
60	5300	12.53	6.110	18.64	73.167	30	or 17+10log(B)= 29.41	PASS
64	5320	12.58	6.110	18.69	74.014	30	or 17+10log(B)= 29.41	PASS
100	5500	7.98	6.110	14.09	25.664	30	or 17+10log(B)= 29.41	PASS
116	5580	12.61	6.110	18.72	74.527	30	or 17+10log(B)= 29.43	PASS
140	5700	6.19	6.110	12.30	16.995	30	or 17+10log(B)= 29.41	PASS

## 802.11n\_HT20\_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	9.28	6.110	15.39	34.619	23.01	or 10+10log(B)= 22.41	PASS
44	5220	9.21	6.110	15.32	34.066	23.01	or 10+10log(B)= 22.41	PASS
48	5240	9.03	6.110	15.14	32.683	23.01	or 10+10log(B)= 22.41	PASS
52	5260	12.31	6.110	18.42	69.553	30	or 17+10log(B)= 29.41	PASS
60	5300	12.38	6.110	18.49	70.683	30	or 17+10log(B)= 29.41	PASS
64	5320	12.29	6.110	18.40	69.233	30	or 17+10log(B)= 29.41	PASS
100	5500	7.14	6.110	13.25	21.150	30	or 17+10log(B)= 29.41	PASS
116	5580	12.34	6.110	18.45	70.035	30	or 17+10log(B)= 29.43	PASS
140	5700	5.37	6.110	11.48	14.071	30	or 17+10log(B)= 29.41	PASS

## 802.11n\_HT20\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	12.49	9.120	21.61	145.009	23.01	or 10+10log(B)= 22.41	PASS
44	5220	12.27	9.120	21.39	137.849	23.01	or 10+10log(B)= 22.41	PASS
48	5240	12.10	9.120	21.22	132.334	23.01	or 10+10log(B)= 22.41	PASS
52	5260	15.23	9.120	24.35	272.064	30	or 17+10log(B)= 29.41	PASS
60	5300	15.49	9.120	24.61	289.338	30	or 17+10log(B)= 29.41	PASS
64	5320	15.56	9.120	24.68	293.686	30	or 17+10log(B)= 29.41	PASS
100	5500	10.41	9.120	19.53	89.704	30	or 17+10log(B)= 29.41	PASS
116	5580	15.49	9.120	24.61	289.356	30	or 17+10log(B)= 29.43	PASS
140	5700	8.54	9.120	17.66	58.285	30	or 17+10log(B)= 29.41	PASS

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## 802.11ac\_VHT20\_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	10.19	6.110	16.30	42.660	23.01	or 10+10log(B)= 22.41	PASS
44	5220	<b>10.40</b>	6.110	<b>16.51</b>	<b>44.773</b>	23.01	or 10+10log(B)= 22.41	PASS
48	5240	10.27	6.110	16.38	43.453	23.01	or 10+10log(B)= 22.41	PASS
52	5260	12.19	6.110	18.30	67.611	30	or 17+10log(B)= 29.41	PASS
60	5300	12.44	6.110	18.55	71.617	30	or 17+10log(B)= 29.41	PASS
64	5320	<b>12.53</b>	6.110	<b>18.64</b>	<b>73.117</b>	30	or 17+10log(B)= 29.41	PASS
100	5500	7.77	6.110	13.88	24.435	30	or 17+10log(B)= 29.41	PASS
116	5580	<b>12.33</b>	6.110	<b>18.44</b>	<b>69.826</b>	30	or 17+10log(B)= 29.43	PASS
140	5700	<b>5.95</b>	6.110	<b>12.06</b>	<b>16.070</b>	30	or 17+10log(B)= 29.41	PASS

## 802.11ac\_VHT20\_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	<b>9.99</b>	6.110	<b>16.10</b>	<b>40.740</b>	23.01	or 10+10log(B)= 22.41	PASS
44	5220	9.91	6.110	16.02	39.996	23.01	or 10+10log(B)= 22.41	PASS
48	5240	9.87	6.110	15.98	39.629	23.01	or 10+10log(B)= 22.41	PASS
52	5260	11.80	6.110	17.91	61.804	30	or 17+10log(B)= 29.41	PASS
60	5300	<b>12.23</b>	6.110	<b>18.34</b>	<b>68.237</b>	30	or 17+10log(B)= 29.41	PASS
64	5320	12.00	6.110	18.11	64.717	30	or 17+10log(B)= 29.41	PASS
100	5500	6.87	6.110	12.98	19.862	30	or 17+10log(B)= 29.41	PASS
116	5580	<b>11.65</b>	6.110	<b>17.76</b>	<b>59.706</b>	30	or 17+10log(B)= 29.43	PASS
140	5700	<b>5.10</b>	6.110	<b>11.21</b>	<b>13.213</b>	30	or 17+10log(B)= 29.41	PASS

## 802.11ac\_VHT20\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	<b>12.32</b>	9.120	<b>21.44</b>	<b>139.354</b>	23.01	or 10+10log(B)= 22.41	PASS
44	5220	12.10	9.120	21.22	132.320	23.01	or 10+10log(B)= 22.41	PASS
48	5240	11.88	9.120	21.00	125.861	23.01	or 10+10log(B)= 22.41	PASS
52	5260	14.99	9.120	24.11	257.684	30	or 17+10log(B)= 29.41	PASS
60	5300	15.25	9.120	24.37	273.648	30	or 17+10log(B)= 29.41	PASS
64	5320	<b>15.28</b>	9.120	<b>24.40</b>	<b>275.475</b>	30	or 17+10log(B)= 29.41	PASS
100	5500	10.17	9.120	19.29	84.914	30	or 17+10log(B)= 29.41	PASS
116	5580	<b>15.02</b>	9.120	<b>24.14</b>	<b>259.545</b>	30	or 17+10log(B)= 29.43	PASS
140	5700	<b>8.28</b>	9.120	<b>17.40</b>	<b>54.977</b>	30	or 17+10log(B)= 29.41	PASS

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## 802.11n\_HT40\_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
38	5190	11.27	6.110	17.38	54.679	23.01	or 10+10log(B)= 25.53	PASS
46	5230	10.99	6.110	17.10	51.265	23.01	or 10+10log(B)= 25.53	PASS
54	5270	12.72	6.110	18.83	76.353	30	or 17+10log(B)= 32.54	PASS
62	5310	12.17	6.110	18.28	67.270	30	or 17+10log(B)= 32.53	PASS
102	5510	5.00	6.110	11.11	12.907	30	or 17+10log(B)= 32.53	PASS
110	5550	12.99	6.110	19.10	81.250	30	or 17+10log(B)= 32.55	PASS
134	5670	10.88	6.110	16.99	49.983	30	or 17+10log(B)= 32.54	PASS

## 802.11n\_HT40\_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
38	5190	11.16	6.110	17.27	53.312	23.01	or 10+10log(B)= 25.53	PASS
46	5230	10.67	6.110	16.78	47.624	23.01	or 10+10log(B)= 25.54	PASS
54	5270	11.68	6.110	17.79	60.093	30	or 17+10log(B)= 32.54	PASS
62	5310	11.97	6.110	18.08	64.243	30	or 17+10log(B)= 32.53	PASS
102	5510	4.30	6.110	10.41	10.986	30	or 17+10log(B)= 32.53	PASS
110	5550	11.77	6.110	17.88	61.351	30	or 17+10log(B)= 32.55	PASS
134	5670	9.97	6.110	16.08	40.534	30	or 17+10log(B)= 32.54	PASS

## 802.11n\_HT40\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
38	5190	13.67	9.120	22.79	190.089	23.01	or 10+10log(B)= 25.53	PASS
46	5230	13.54	9.120	22.66	184.454	23.01	or 10+10log(B)= 25.53	PASS
54	5270	15.74	9.120	24.86	306.040	30	or 17+10log(B)= 32.54	PASS
62	5310	14.53	9.120	23.65	231.683	30	or 17+10log(B)= 32.53	PASS
102	5510	7.14	9.120	16.26	42.280	30	or 17+10log(B)= 32.53	PASS
110	5550	15.81	9.120	24.93	311.141	30	or 17+10log(B)= 32.55	PASS
134	5670	13.04	9.120	22.16	164.533	30	or 17+10log(B)= 32.54	PASS

## 802.11ac\_VHT40\_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
38	5190	11.22	6.110	17.33	54.123	23.01	or 10+10log(B)= 25.53	PASS
46	5230	10.98	6.110	17.09	51.213	23.01	or 10+10log(B)= 25.53	PASS
54	5270	12.59	6.110	18.70	74.196	30	or 17+10log(B)= 32.54	PASS
62	5310	12.12	6.110	18.23	66.586	30	or 17+10log(B)= 32.53	PASS
102	5510	4.95	6.110	11.06	12.776	30	or 17+10log(B)= 32.53	PASS
110	5550	12.94	6.110	19.05	80.423	30	or 17+10log(B)= 32.55	PASS
134	5670	10.87	6.110	16.98	49.932	30	or 17+10log(B)= 32.54	PASS

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## 802.11ac\_VHT40\_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
38	5190	11.14	6.110	17.25	53.135	23.01	or 10+10log(B)= 25.53	PASS
46	5230	10.64	6.110	16.75	47.357	23.01	or 10+10log(B)= 25.54	PASS
54	5270	11.61	6.110	17.72	59.208	30	or 17+10log(B)= 32.54	PASS
62	5310	11.95	6.110	18.06	64.030	30	or 17+10log(B)= 32.53	PASS
102	5510	4.22	6.110	10.33	10.799	30	or 17+10log(B)= 32.53	PASS
110	5550	11.63	6.110	17.74	59.481	30	or 17+10log(B)= 32.55	PASS
134	5670	9.94	6.110	16.05	40.307	30	or 17+10log(B)= 32.54	PASS

## 802.11ac\_VHT40\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
38	5190	13.64	9.120	22.76	188.668	23.01	or 10+10log(B)= 25.53	PASS
46	5230	13.49	9.120	22.61	182.367	23.01	or 10+10log(B)= 25.53	PASS
54	5270	15.71	9.120	24.83	304.092	30	or 17+10log(B)= 32.54	PASS
62	5310	14.52	9.120	23.64	231.471	30	or 17+10log(B)= 32.53	PASS
102	5510	7.14	9.120	16.26	42.267	30	or 17+10log(B)= 32.53	PASS
110	5550	15.68	9.120	24.80	301.786	30	or 17+10log(B)= 32.55	PASS
134	5670	13.03	9.120	22.15	164.237	30	or 17+10log(B)= 32.54	PASS

## 802.11ac\_VHT80\_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
42	5210	7.98	6.110	14.09	25.630	23.01	or 10+10log(B)= 28.75	PASS
58	5290	7.23	6.110	13.34	21.565	30	or 17+10log(B)= 35.75	PASS
106	5530	8.36	6.110	14.47	27.973	30	or 17+10log(B)= 35.75	PASS

## 802.11ac\_VHT80\_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
42	5210	7.86	6.110	13.97	24.931	23.01	or 10+10log(B)= 28.75	PASS
58	5290	7.11	6.110	13.22	20.977	30	or 17+10log(B)= 35.75	PASS
106	5530	8.11	6.110	14.22	26.408	30	or 17+10log(B)= 35.75	PASS

## 802.11ac\_VHT80\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
42	5210	11.01	9.120	20.13	103.005	23.01	or 10+10log(B)= 28.75	PASS
58	5290	10.22	9.120	19.34	85.928	30	or 17+10log(B)= 35.75	PASS
106	5530	11.23	9.120	20.35	108.477	30	or 17+10log(B)= 35.75	PASS

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### 9.5.3 Conducted output power (ISED)

#### 802.11a\_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	13.27	21.246	23.87 or 11+10log(B) = 23.12	PASS
60	5300	<b>13.79</b>	<b>23.948</b>	23.87 or 11+10log(B) = 23.13	PASS
64	5320	13.64	23.135	23.87 or 11+10log(B) = 23.13	PASS
100	5500	8.43	6.971	23.87 or 11+10log(B) = 23.12	PASS
116	5580	13.52	<b>22.505</b>	23.87 or 11+10log(B) = 23.15	PASS
140	5700	6.15	<b>4.124</b>	23.87 or 11+10log(B) = 23.13	PASS
149	5745	13.48	22.299	29.89	PASS
157	5785	13.51	<b>22.453</b>	29.89	PASS
165	5825	13.30	21.393	29.89	PASS

#### 802.11a\_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	13.20	20.906	23.87 or 11+10log(B) = 23.14	PASS
60	5300	<b>13.64</b>	<b>23.135</b>	23.87 or 11+10log(B) = 23.14	PASS
64	5320	12.78	18.979	23.87 or 11+10log(B) = 23.13	PASS
100	5500	7.75	5.960	23.87 or 11+10log(B) = 23.13	PASS
116	5580	<b>12.92</b>	<b>19.601</b>	23.87 or 11+10log(B) = 23.15	PASS
140	5700	<b>5.51</b>	<b>3.559</b>	23.87 or 11+10log(B) = 23.12	PASS
149	5745	<b>13.18</b>	<b>20.810</b>	29.89	PASS
157	5785	13.12	20.525	29.89	PASS
165	5825	12.96	19.782	29.89	PASS

#### 802.11a\_2Tx

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	13.13	12.96	16.28	42.451	20.86 or 11+10log(B) = 23.12	PASS
60	5300	13.34	13.3	<b>16.55</b>	<b>45.218</b>	20.86 or 11+10log(B) = 23.13	PASS
64	5320	13.33	13.12	16.46	44.252	20.86 or 11+10log(B) = 23.13	PASS
100	5500	8.25	7.65	11.19	13.163	20.86 or 11+10log(B) = 23.12	PASS
116	5580	13.08	12.77	16.16	<b>41.313</b>	20.86 or 11+10log(B) = 23.15	PASS
140	5700	5.76	5.34	8.79	<b>7.565</b>	20.86 or 11+10log(B) = 23.12	PASS
149	5745	13.02	12.96	16.22	41.910	26.87970004	PASS
157	5785	13.08	12.94	16.24	<b>42.108</b>	26.87970004	PASS
165	5825	12.99	12.82	16.14	41.105	26.87970004	PASS

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**802.11n\_HT20\_Ch0**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	12.33	17.113	23.87 or 11+10log(B) = 23.41	PASS
60	5300	12.53	17.919	23.87 or 11+10log(B) = 23.41	PASS
64	5320	<b>12.58</b>	18.127	23.87 or 11+10log(B) = 23.41	PASS
100	5500	7.98	6.285	23.87 or 11+10log(B) = 23.41	PASS
116	5580	<b>12.61</b>	<b>18.252</b>	23.87 or 11+10log(B) = 23.43	PASS
140	5700	<b>6.19</b>	<b>4.162</b>	23.87 or 11+10log(B) = 23.41	PASS
149	5745	12.39	17.351	29.89	PASS
157	5785	<b>12.41</b>	<b>17.431</b>	29.89	PASS
165	5825	12.30	16.995	29.89	PASS

**802.11n\_HT20\_Ch1**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	12.31	17.034	23.87 or 11+10log(B) = 23.41	PASS
60	5300	<b>12.38</b>	<b>17.311</b>	23.87 or 11+10log(B) = 23.41	PASS
64	5320	12.29	16.956	23.87 or 11+10log(B) = 23.41	PASS
100	5500	7.14	5.180	23.87 or 11+10log(B) = 23.41	PASS
116	5580	<b>12.34</b>	<b>17.152</b>	23.87 or 11+10log(B) = 23.43	PASS
140	5700	<b>5.37</b>	<b>3.446</b>	23.87 or 11+10log(B) = 23.41	PASS
149	5745	11.69	14.768	29.89	PASS
157	5785	<b>12.00</b>	<b>15.860</b>	29.89	PASS
165	5825	11.92	15.571	29.89	PASS

**802.11n\_HT20\_MIMO**

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	12.02	11.7	15.23	33.315	20.86 or 11+10log(B) = 23.41	PASS
60	5300	12.18	12.08	15.49	35.430	20.86 or 11+10log(B) = 23.41	PASS
64	5320	12.22	12.17	<b>15.56</b>	<b>35.963</b>	20.86 or 11+10log(B) = 23.41	PASS
100	5500	7.32	6.75	10.41	10.985	20.86 or 11+10log(B) = 23.41	PASS
116	5580	12.2	12.06	<b>15.49</b>	<b>35.433</b>	20.86 or 11+10log(B) = 23.43	PASS
140	5700	5.48	4.84	<b>8.54</b>	<b>7.137</b>	20.86 or 11+10log(B) = 23.41	PASS
149	5745	11.8	11.46	15.00	31.599	26.87970004	PASS
157	5785	11.9	11.82	<b>15.22</b>	<b>33.294</b>	26.87970004	PASS
165	5825	11.84	11.65	15.11	32.430	26.87970004	PASS

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**802.11ac\_VHT20\_Ch0**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	12.19	16.558	23.87 or 11+10log(B) = 23.41	PASS
60	5300	12.44	17.539	23.87 or 11+10log(B) = 23.41	PASS
64	5320	<b>12.53</b>	<b>17.907</b>	23.87 or 11+10log(B) = 23.41	PASS
100	5500	7.77	5.984	23.87 or 11+10log(B) = 23.41	PASS
116	5580	<b>12.33</b>	<b>17.101</b>	23.87 or 11+10log(B) = 23.43	PASS
140	5700	<b>5.95</b>	<b>3.936</b>	23.87 or 11+10log(B) = 23.41	PASS
149	5745	12.23	16.712	29.89	PASS
157	5785	<b>12.28</b>	<b>16.905</b>	29.89	PASS
165	5825	12.18	16.520	29.89	PASS

**802.11ac\_VHT20\_Ch1**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	11.80	15.136	23.87 or 11+10log(B) = 23.41	PASS
60	5300	<b>12.23</b>	<b>16.712</b>	23.87 or 11+10log(B) = 23.41	PASS
64	5320	12.00	15.850	23.87 or 11+10log(B) = 23.41	PASS
100	5500	6.87	4.864	23.87 or 11+10log(B) = 23.41	PASS
116	5580	<b>11.65</b>	<b>14.622</b>	23.87 or 11+10log(B) = 23.43	PASS
140	5700	<b>5.10</b>	<b>3.236</b>	23.87 or 11+10log(B) = 23.41	PASS
149	5745	11.27	13.397	29.89	PASS
157	5785	11.35	13.646	29.89	PASS
165	5825	<b>11.49</b>	<b>14.093</b>	29.89	PASS

**802.11ac\_VHT20\_MIMO**

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	11.77	11.71	14.99	31.554	20.86 or 11+10log(B) = 23.41	PASS
60	5300	12.1	11.9	15.25	33.509	20.86 or 11+10log(B) = 23.41	PASS
64	5320	12.05	12.01	<b>15.28</b>	<b>33.733</b>	20.86 or 11+10log(B) = 23.41	PASS
100	5500	7.19	6.63	10.17	10.398	20.86 or 11+10log(B) = 23.41	PASS
116	5580	12	11.53	<b>15.02</b>	<b>31.782</b>	20.86 or 11+10log(B) = 23.43	PASS
140	5700	5.33	4.71	<b>8.28</b>	<b>6.732</b>	20.86 or 11+10log(B) = 23.41	PASS
149	5745	11.84	11.06	<b>14.72</b>	<b>29.634</b>	26.87970004	PASS
157	5785	11.77	11.13	14.71	29.595	26.87970004	PASS
165	5825	11.84	10.96	14.67	29.327	26.87970004	PASS

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**802.11n\_HT40\_Ch0**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	<b>12.72</b>	18.699	23.87 or 11+10log(B) = 26.54	PASS
62	5310	12.17	16.475	23.87 or 11+10log(B) = 26.53	PASS
102	5510	5.00	3.161	23.87 or 11+10log(B) = 26.53	PASS
110	5550	<b>12.99</b>	<b>19.899</b>	23.87 or 11+10log(B) = 26.55	PASS
134	5670	<b>10.88</b>	<b>12.241</b>	23.87 or 11+10log(B) = 26.54	PASS
151	5755	12.73	18.742	29.89	PASS
159	5795	<b>12.76</b>	<b>18.872</b>	29.89	PASS

**802.11n\_HT40\_Ch1**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	11.68	14.717	23.87 or 11+10log(B) = 26.54	PASS
62	5310	<b>11.97</b>	<b>15.733</b>	23.87 or 11+10log(B) = 26.53	PASS
102	5510	4.30	2.690	23.87 or 11+10log(B) = 26.53	PASS
110	5550	<b>11.77</b>	<b>15.025</b>	23.87 or 11+10log(B) = 26.55	PASS
134	5670	<b>9.97</b>	<b>9.927</b>	23.87 or 11+10log(B) = 26.54	PASS
151	5755	11.02	12.642	29.89	PASS
159	5795	<b>11.51</b>	<b>14.152</b>	29.89	PASS

**802.11n\_HT40\_MIMO**

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
54	5270	12.48	12.11	15.74	37.476	20.86 or 11+10log(B) = 26.54	PASS
62	5310	11.12	11.06	14.53	28.370	20.86 or 11+10log(B) = 26.53	PASS
102	5510	3.95	3.44	7.14	5.177	20.86 or 11+10log(B) = 26.53	PASS
110	5550	12.45	12.29	<b>15.81</b>	<b>38.100</b>	20.86 or 11+10log(B) = 26.55	PASS
134	5670	9.87	9.32	<b>13.04</b>	<b>20.148</b>	20.86 or 11+10log(B) = 26.54	PASS
151	5755	12.03	11.7	15.31	33.937	26.87970004	PASS
159	5795	12.05	12.03	<b>15.48</b>	<b>35.307</b>	26.87970004	PASS

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**802.11ac\_VHT40\_Ch0**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	<b>12.59</b>	18.171	23.87 or $11+10\log(B) = 26.54$	PASS
62	5310	12.12	16.307	23.87 or $11+10\log(B) = 26.53$	PASS
102	5510	4.95	3.129	23.87 or $11+10\log(B) = 26.53$	PASS
110	5550	<b>12.94</b>	<b>19.696</b>	23.87 or $11+10\log(B) = 26.55$	PASS
134	5670	<b>10.87</b>	<b>12.229</b>	23.87 or $11+10\log(B) = 26.54$	PASS
151	5755	<b>12.69</b>	<b>18.594</b>	29.89	PASS
159	5795	12.63	18.339	29.89	PASS

**802.11ac\_VHT40\_Ch1**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	11.61	14.500	23.87 or $11+10\log(B) = 26.54$	PASS
62	5310	<b>11.95</b>	<b>15.681</b>	23.87 or $11+10\log(B) = 26.53$	PASS
102	5510	4.22	2.645	23.87 or $11+10\log(B) = 26.53$	PASS
110	5550	<b>11.63</b>	<b>14.567</b>	23.87 or $11+10\log(B) = 26.55$	PASS
134	5670	<b>9.94</b>	<b>9.871</b>	23.87 or $11+10\log(B) = 26.54$	PASS
151	5755	<b>11.00</b>	<b>12.600</b>	29.89	PASS
159	5795	10.81	12.061	29.89	PASS

**802.11ac\_VHT40\_MIMO**

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
54	5270	12.16	12.01	<b>15.71</b>	<b>37.237</b>	20.86 or $11+10\log(B) = 26.54$	PASS
62	5310	10.97	10.83	14.52	28.344	20.86 or $11+10\log(B) = 26.53$	PASS
102	5510	3.73	3.29	7.14	5.176	20.86 or $11+10\log(B) = 26.53$	PASS
110	5550	12.2	11.9	<b>15.68</b>	<b>36.955</b>	20.86 or $11+10\log(B) = 26.55$	PASS
134	5670	9.62	9.19	<b>13.03</b>	<b>20.111</b>	20.86 or $11+10\log(B) = 26.54$	PASS
151	5755	11.7	11.4	15.18	32.936	26.87970004	PASS
159	5795	12.02	11.23	<b>15.27</b>	<b>33.628</b>	26.87970004	PASS

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**802.11ac\_VHT80\_Ch0**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	<b>7.23</b>	5.281	23.87 or $11+10\log(B) = 29.75$	PASS
106	5530	8.36	6.851	23.87 or $11+10\log(B) = 29.75$	PASS
122	5610	<b>11.56</b>	<b>14.313</b>	23.87 or $11+11\log(B) = 29.74$	PASS
155	5775	<b>11.42</b>	<b>13.859</b>	29.89	PASS

**802.11ac\_VHT80\_Ch1**

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	<b>7.11</b>	5.137	23.87 or $11+10\log(B) = 29.75$	PASS
106	5530	<b>8.11</b>	<b>6.468</b>	23.87 or $11+10\log(B) = 29.75$	PASS
122	5610	8.10	6.453	23.87 or $11+10\log(B) = 29.74$	PASS
155	5775	<b>7.98</b>	<b>6.277</b>	29.89	PASS

**802.11ac\_VHT80\_MIMO**

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
58	5290	6.33	5.99	<b>10.22</b>	10.522	20.86 or $11+10\log(B) = 29.75$	PASS
106	5530	7.23	7.12	11.23	13.283	20.86 or $11+10\log(B) = 29.75$	PASS
122	5610	10.58	10.14	<b>14.42</b>	<b>27.690</b>	20.86 or $11+10\log(B) = 29.74$	PASS
155	5775	10.27	9.29	<b>13.87</b>	<b>24.352</b>	26.87970004	PASS

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## 10 MAXIMUM POWER SPECTRAL DENSITY

### 10.1 Standard Applicable

#### FCC

OPERZTION Band	EUT CATEGORY	LIMIT
U-NII-1	Access Point (Master device )	17dBm/ MHz
	Fixed point-to-point Access Ponit	
	√ Mobile and portable client device	11dBm/ MHz
U-NII-2A	√	11dBm/ MHz
U-NII-2C	√	11dBm/ MHz
U-NII-3	√	30dBm/ 500kHz

If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### ISED

OPERZTION FREQUENCY BAND	LIMIT
5150~5250 MHz	EIRP spectral density 10 dBm / MHz
5250~5350 MHz	11dBm / MHz
5470-5600 MHz and 5650-5725 MHz	11dBm / MHz
5725~5850 MHz	30dBm / 500 kHz

For equipment operating in the band **5725-5850** MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### Note:

As per FCC KDB 662911 D01

Unequal antenna gains, with equal transmit powers. For antenna gains given by G1, G2, ..., GN dBi.

(i) If transmit signals are correlated, then Directional gain  
 $= 10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$  dBi

[Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

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The antenna gain is grater than 6 dBi in MIMO mode, therefore the limit needs to be reduced as below:

	Effective Legacy Gain (dBi)	PSD Limit	
<b>UNII-1</b>	9.12	7.88	dBm/MHz
<b>UNII-2A</b>	9.12	7.88	dBm/MHz
<b>U-NII-2C</b>	9.12	7.88	dBm/MHz
<b>U-NII-3</b>	9.12	26.88	dBm/500 kHz

## 10.2 Measurement Procedure

- Place the EUT on the table and set it in transmitting mode.
- The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
- Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.
- For U-NII1, U-NII-2A, U-NII-2C Band:**  
Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)  
**For U-NII-3 Band:**  
Set RBW=500 kHz, VBW $\geq$  3RBW, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)
- Use the cursor on spectrum to peak search the highest level of trace
- Record the max. reading and add 10 log(1/duty cycle).
- Repeat above procedures until all default test channel (low, middle, and high) was complete.
- 802.11n/ac MIMO mode: offset is set following “measure and add 10 Log (N)” on spectrum to measure the PSD for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

**Note: For the test of PSD at MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome**

## 10.3 Measurement Equipment Used

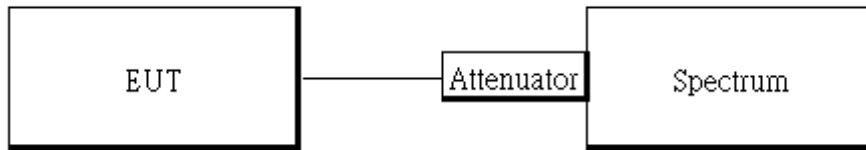
SGS Conducted Room					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	05/02/2019	05/01/2020
Attenuator	Mini-Circuit	BW-S10W2+	2	01/05/2020	01/04/2021
DC Block	Mini-Circuits	BLK-18-S+	1	01/05/2020	01/04/2021

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## 10.4 Test Set-up



## 10.5 Measurement Result

### 10.5.1 Power spectral density

POWER DENSITY 802.11a MODE_2TX					
Frequency (MHz)	PSD W/O Duty Factor (dBm)	Duty Factor	PSD With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5180.00	0.23	0.22	0.45	7.88	-7.43
5220.00	0.27	0.22	0.49	7.88	-7.39
5240.00	0.48	0.22	0.70	7.88	-7.18
5260.00	2.95	0.22	3.17	7.88	-4.71
5300.00	5.23	0.22	5.45	7.88	-2.43
5320.00	5.30	0.22	5.52	7.88	-2.36
5500.00	0.03	0.22	0.25	7.88	-7.63
5580.00	4.54	0.22	4.76	7.88	-3.12
5700.00	-2.33	0.22	-2.11	7.88	-9.99
5745.00	1.24	0.22	1.46	26.88	-25.42
5785.00	-0.18	0.22	0.04	26.88	-26.84
5825.00	0.90	0.22	1.12	26.88	-25.76

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POWER DENSITY 802.11n HT20 MODE_MIMO					
Frequency (MHz)	PSD W/O Duty Factor (dBm)	Duty Factor	PSD With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5180	0.29	0.35	0.64	7.8797	-7.24
5220	0.38	0.35	0.73	7.8797	-7.15
5240	0.29	0.35	0.64	7.8797	-7.24
5260	1.24	0.35	1.59	7.8797	-6.29
5300	2.00	0.35	2.35	7.8797	-5.53
5320	1.88	0.35	2.23	7.8797	-5.65
5500	-0.93	0.35	-0.58	7.8797	-8.46
5580	3.40	0.35	3.75	7.8797	-4.13
5700	-2.78	0.35	-2.43	7.8797	-10.31
5745	0.03	0.35	0.38	26.8797	-26.50
5785	-0.78	0.35	-0.43	26.8797	-27.31
5825	0.40	0.35	0.75	26.8797	-26.13

POWER DENSITY 802.11n HT40 MODE_MIMO					
Frequency (MHz)	PSD W/O Duty Factor (dBm)	Duty Factor	PSD With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5190	-1.22	0.43	-0.79	7.8797	-8.67
5230	-1.4	0.43	-0.97	7.8797	-8.85
5270	0.56	0.43	0.99	7.8797	-6.89
5310	0.01	0.43	0.44	7.8797	-7.44
5510	-7.11	0.43	-6.68	7.8797	-14.56
5550	0.6	0.43	1.03	7.8797	-6.85
5670	-1.60	0.43	-1.17	7.8797	-9.05
5755	-2.50	0.43	-2.07	26.8797	-28.95
5795	-2.54	0.43	-2.11	26.8797	-28.99

POWER DENSITY 802.11ac VHT80 MODE_MIMO					
Frequency (MHz)	PSD W/O Duty Factor (dBm)	Duty Factor	PSD With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5210	-7.69	1.05	-6.64	7.8797	-14.52
5290	-8.72	1.05	-7.67	7.8797	-15.55
5530	-7.54	1.05	-6.49	7.8797	-14.37
5610	-3.85	1.05	-2.80	7.8797	-10.68
5775	-7.18	1.05	-6.13	26.8797	-33.01

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**10.5.2 EIRP spectral density (ISED)**

EIRP spectral density 802.11a MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
5180	0.45	9.12	9.57	10	-0.43
5220	0.49	9.12	9.61	10	-0.39
5240	0.70	9.12	9.82	10	-0.18

EIRP spectral density 802.11n HT20 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
5180	0.64	9.12	9.76	10	-0.24
5220	0.73	9.12	9.85	10	-0.15
5240	0.64	9.12	9.76	10	-0.24

EIRP spectral density 802.11ac VHT20 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
5180	0.24	6.11	6.35	10	-3.65
5220	0.24	6.11	6.35	10	-3.65
5240	0.24	6.11	6.35	10	-3.65

EIRP spectral density 802.11n HT40 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
5190	-0.79	9.12	8.33	10	-1.67
5230	-0.97	9.12	8.15	10	-1.85

EIRP spectral density 802.11ac VHT40 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
5190	0.61	6.11	6.72	10	-3.28
5230	0.61	6.11	6.72	10	-3.28

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EIRP spectral density 802.11ac VHT80 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
5210	-6.64	9.12	2.48	10	-7.52

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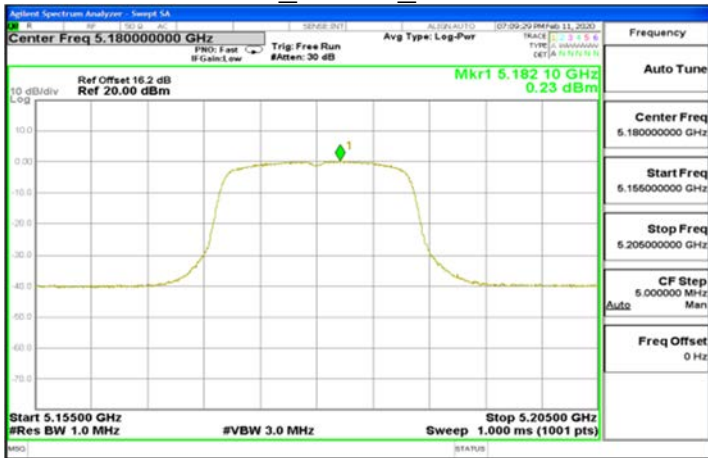
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f (886-2) 2298-0488

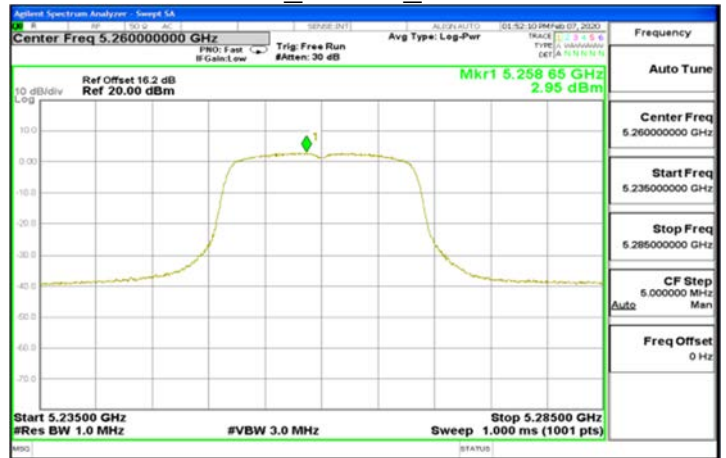
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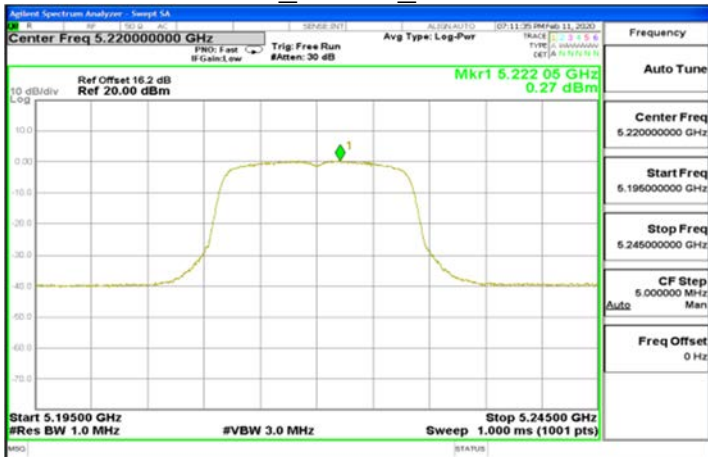
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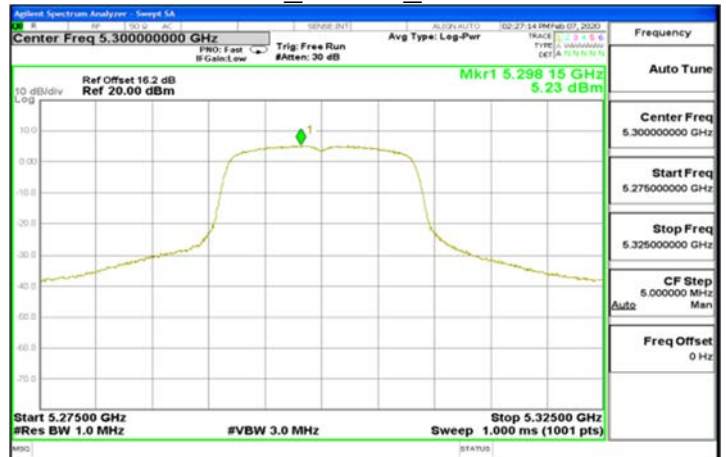
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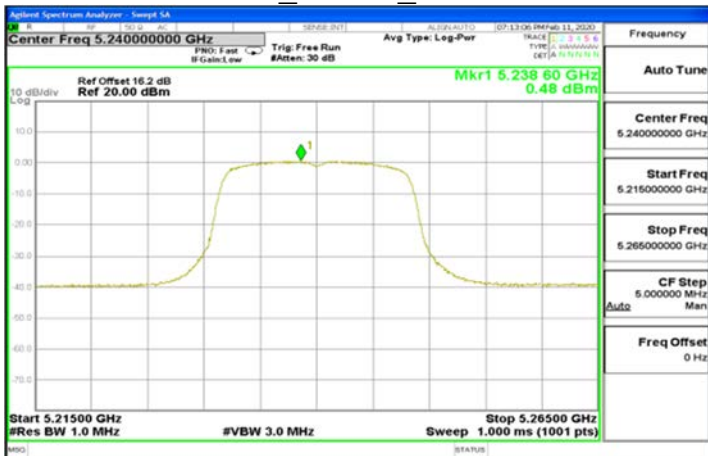
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802.11a\_20MHz\_5240MHz



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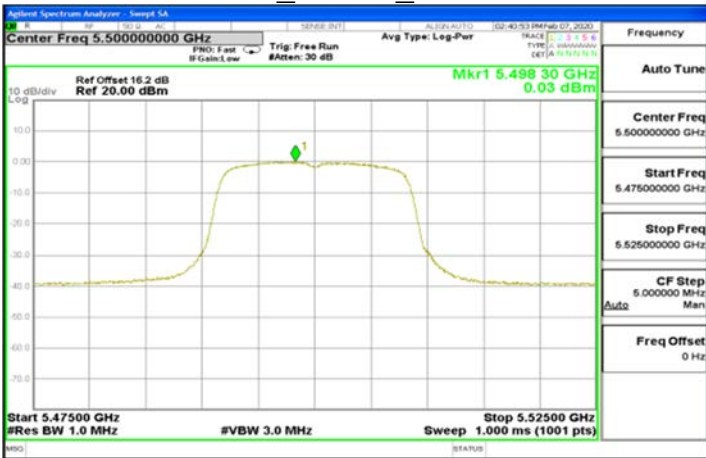


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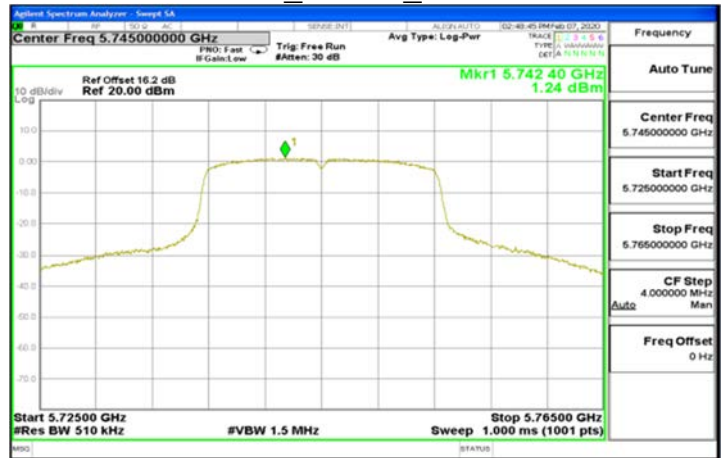
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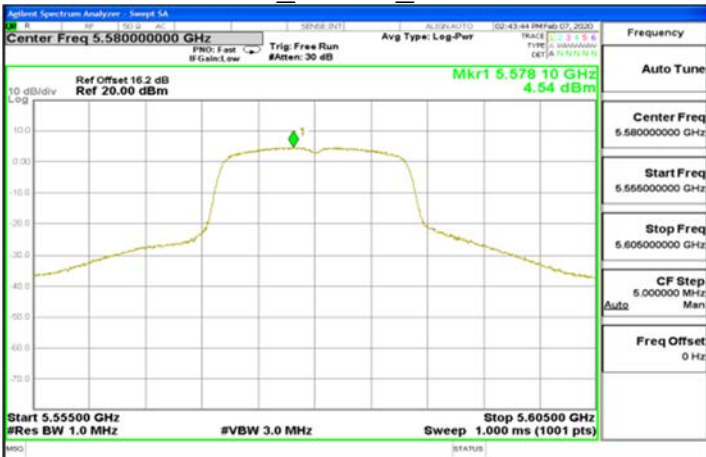
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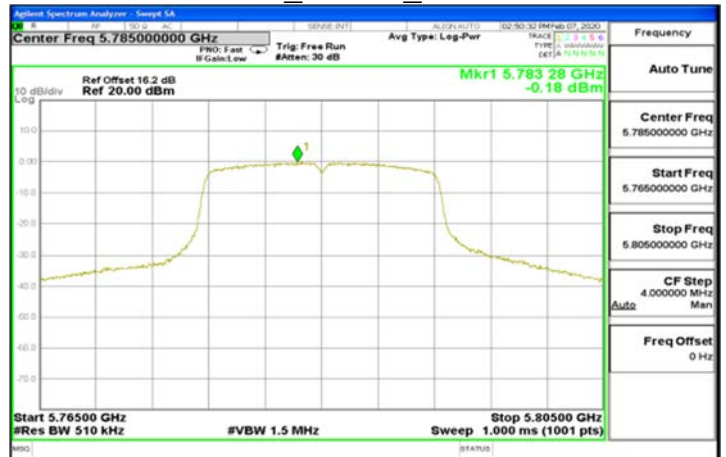
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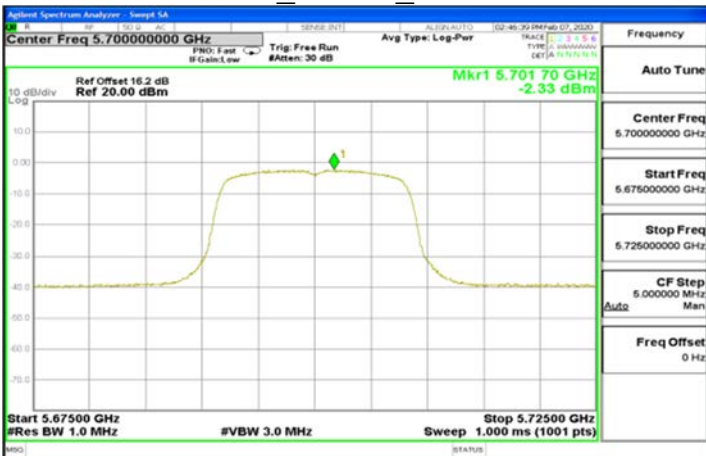
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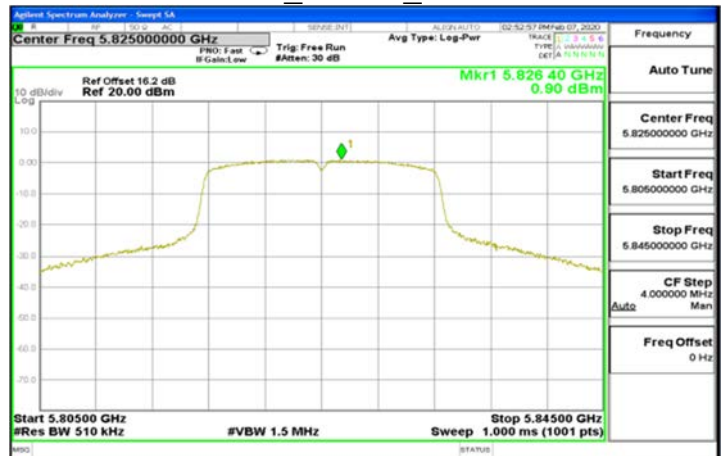
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802.11a\_20MHz\_5700MHz



802.11a\_20MHz\_5825MHz

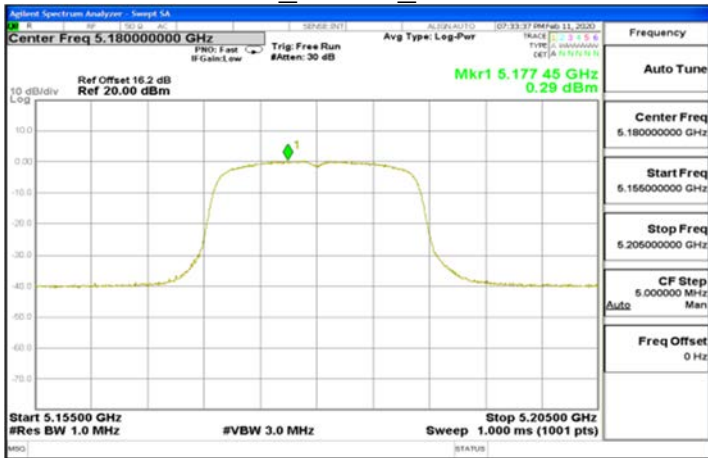


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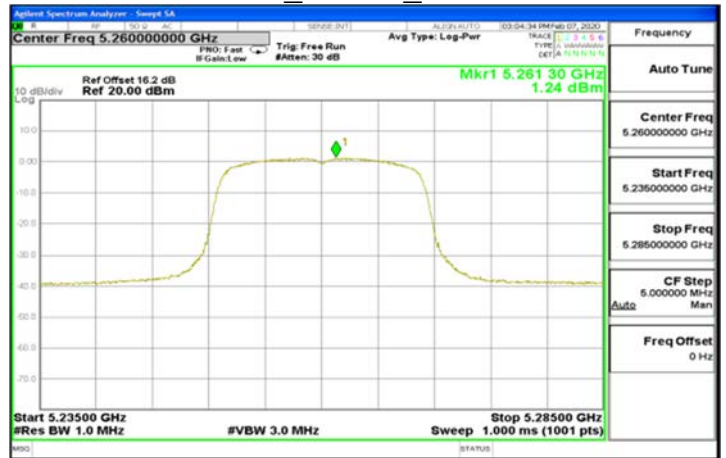
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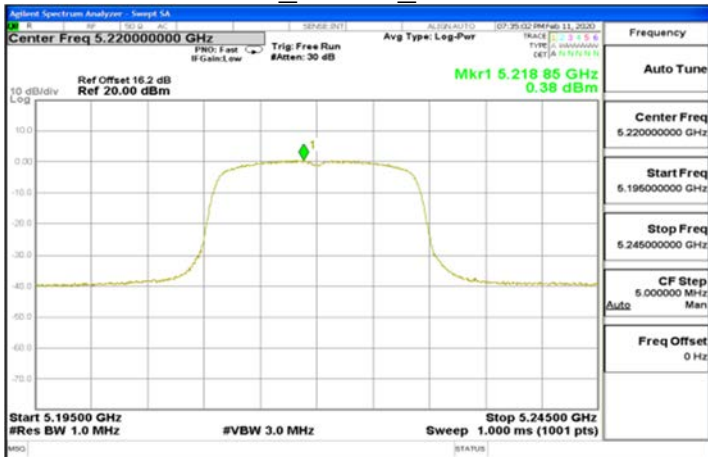
802.11n\_20MHz\_5180MHz



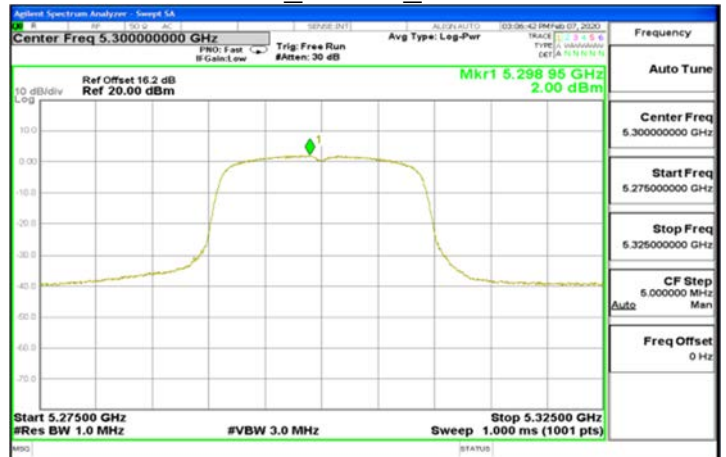
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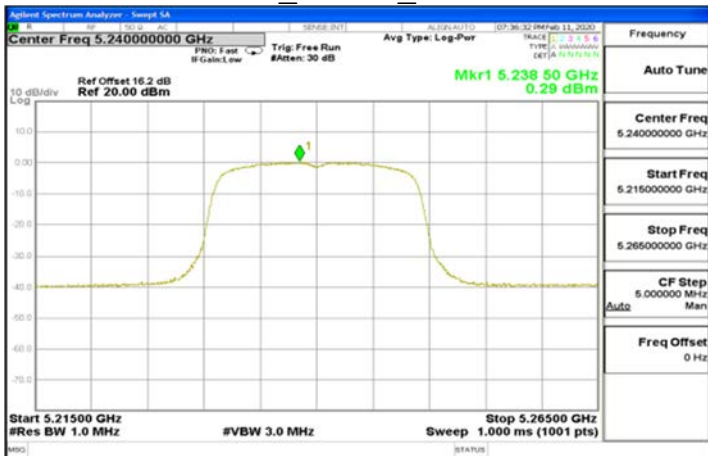
802.11n\_20MHz\_5220MHz



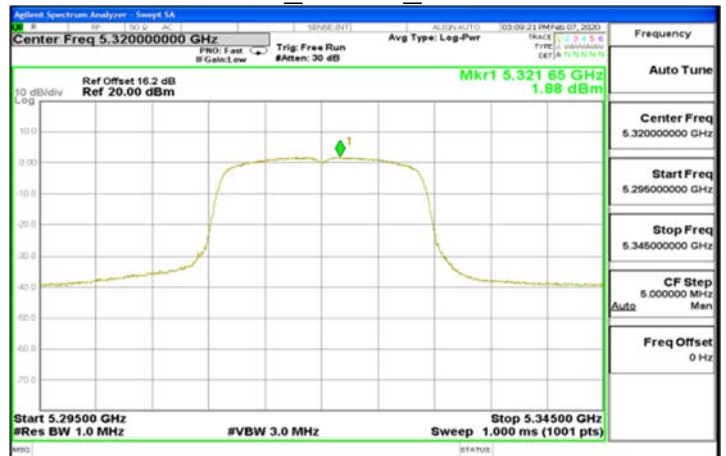
802.11n\_20MHz\_5300MHz



802.11n\_20MHz\_5240MHz



802.11n\_20MHz\_5320MHz

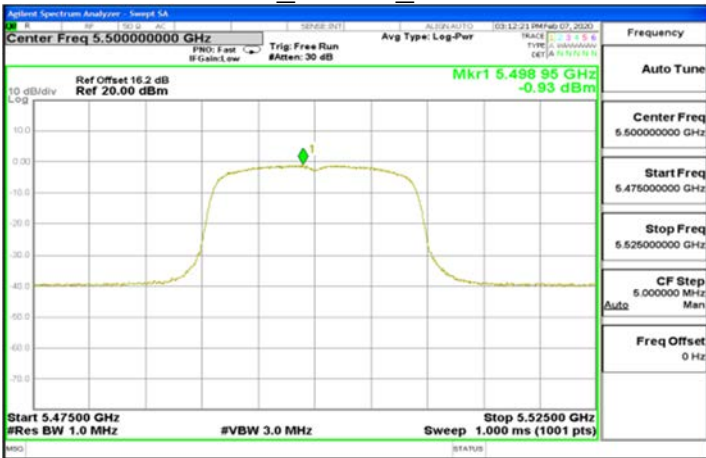


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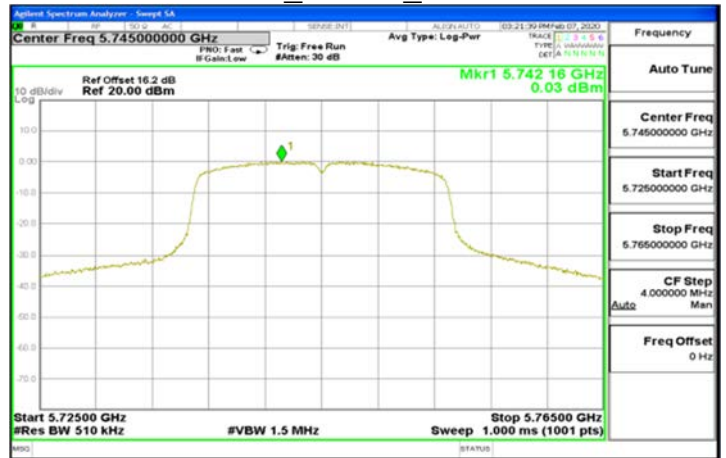
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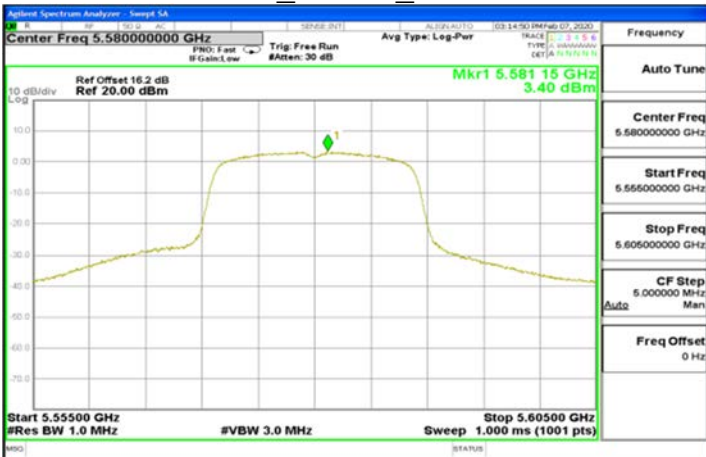
802.11n\_20MHz\_5500MHz



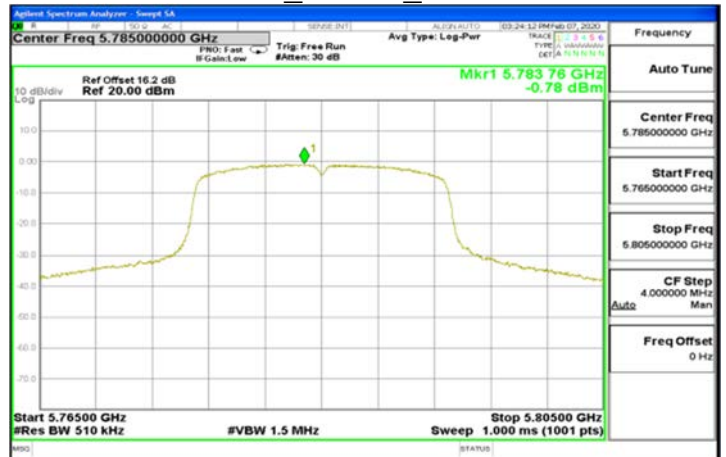
802.11n\_20MHz\_5745MHz



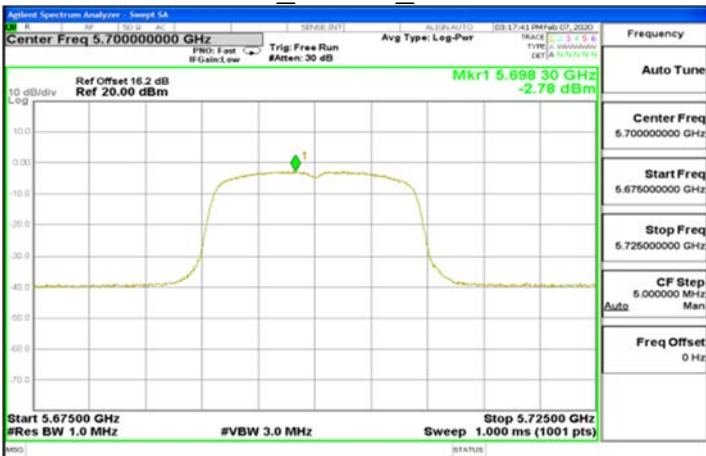
802.11n\_20MHz\_5580MHz



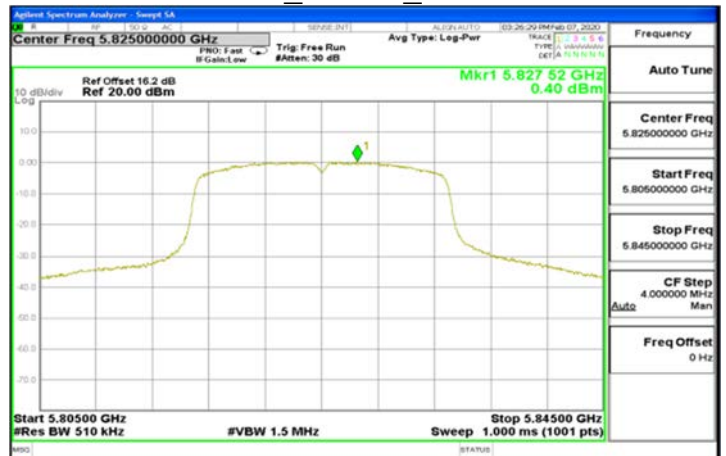
802.11n\_20MHz\_5785MHz



802.11n\_20MHz\_5700MHz



802.11n\_20MHz\_5825MHz

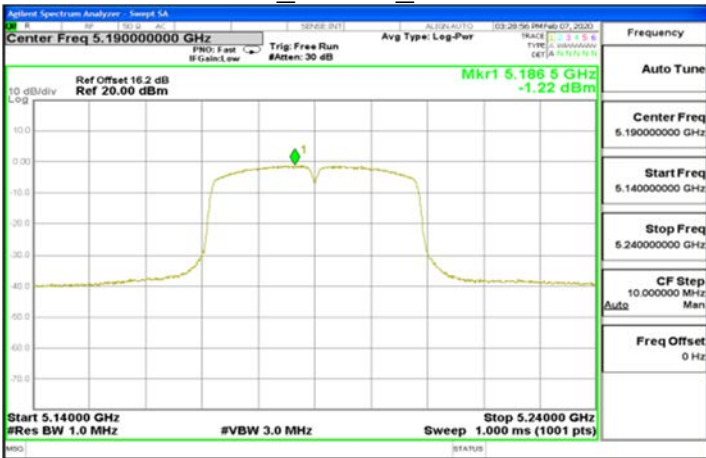


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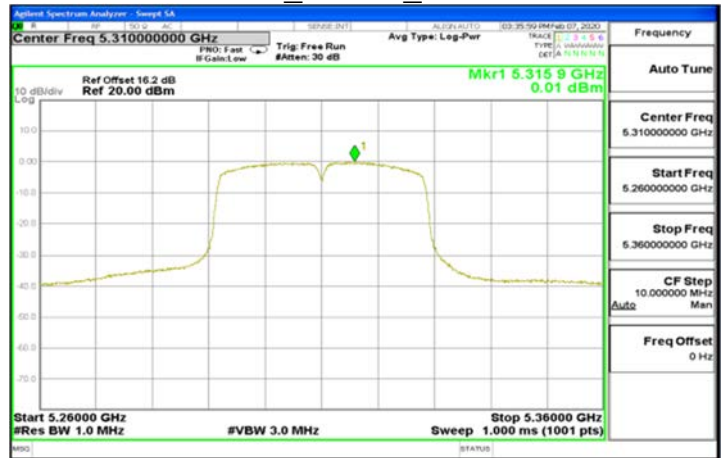
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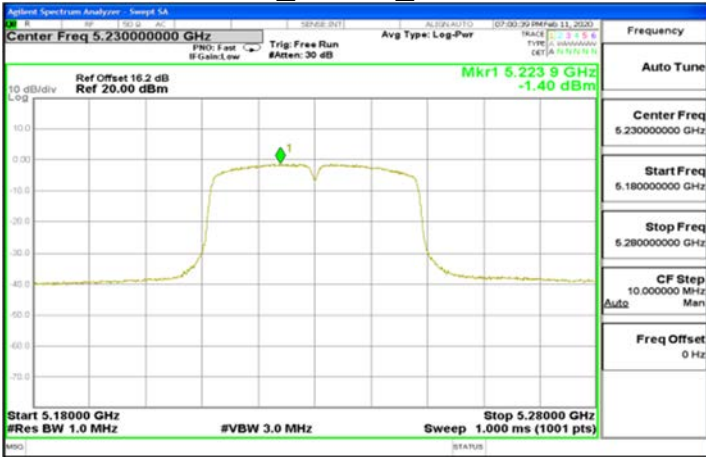
802.11n\_40MHz\_5190MHz



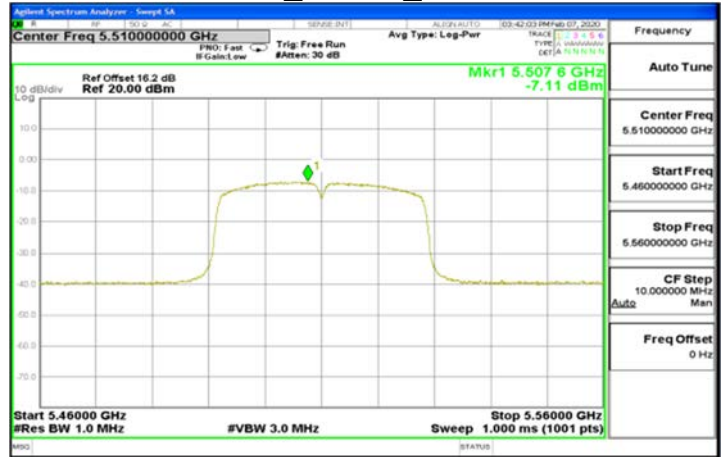
802.11n\_40MHz\_5310MHz



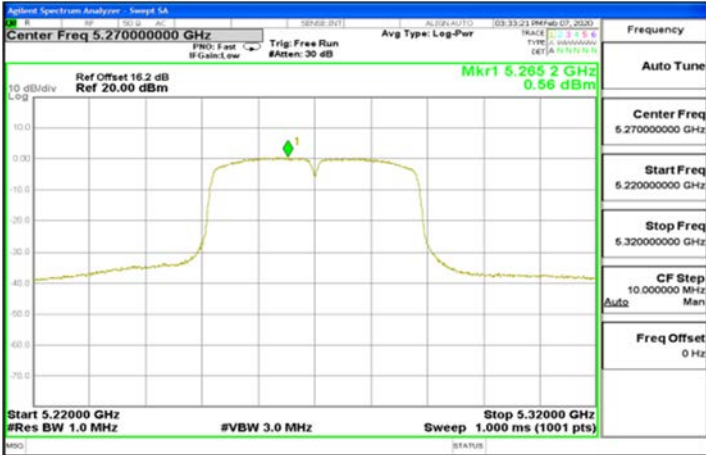
802.11n\_40MHz\_5230MHz



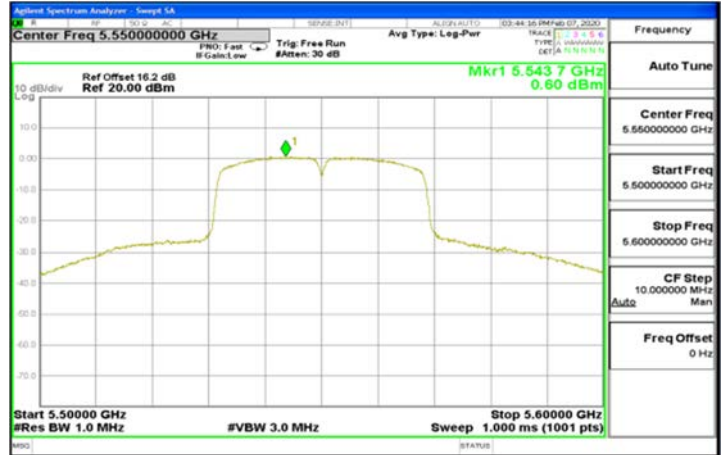
802.11n\_40MHz\_5510MHz



802.11n\_40MHz\_5270MHz



802.11n\_40MHz\_5550MHz

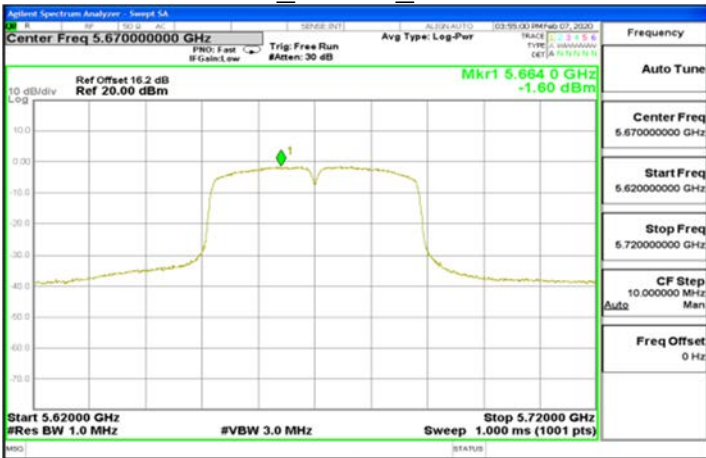


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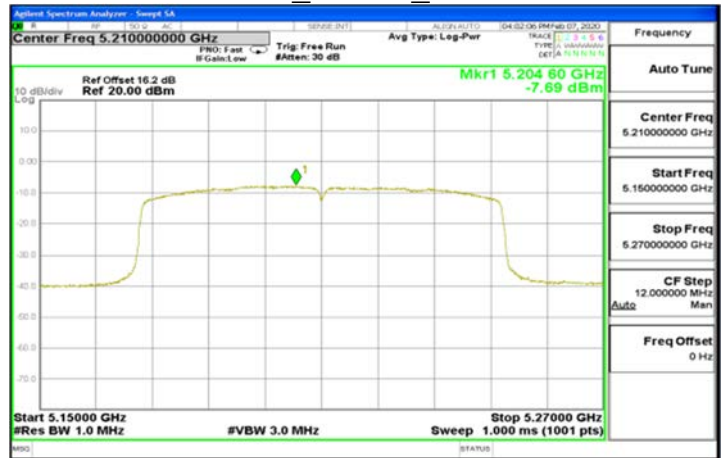
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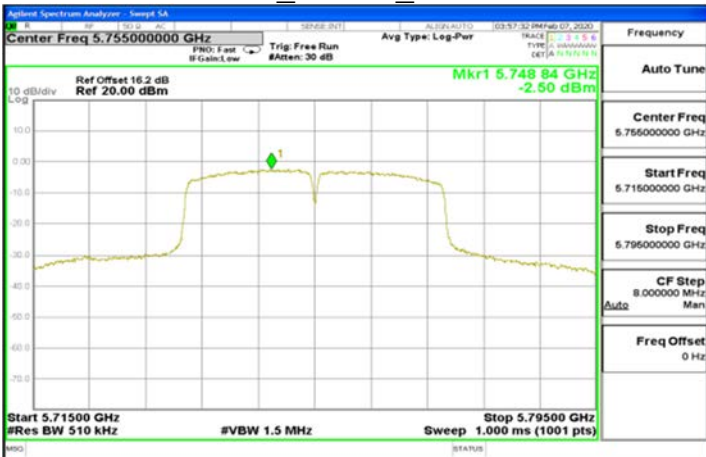
802.11n\_40MHz\_5670MHz



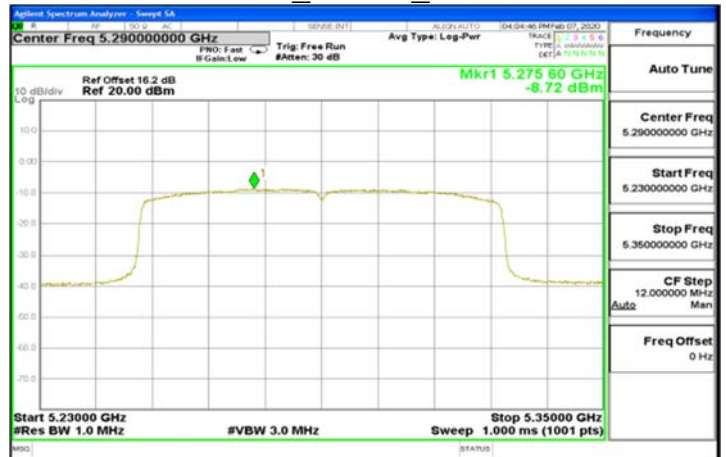
802.11ac\_80MHz\_5210MHz



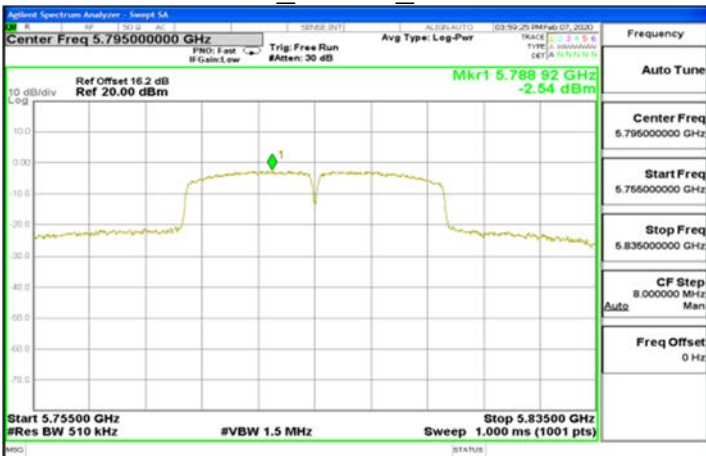
802.11n\_40MHz\_5755MHz



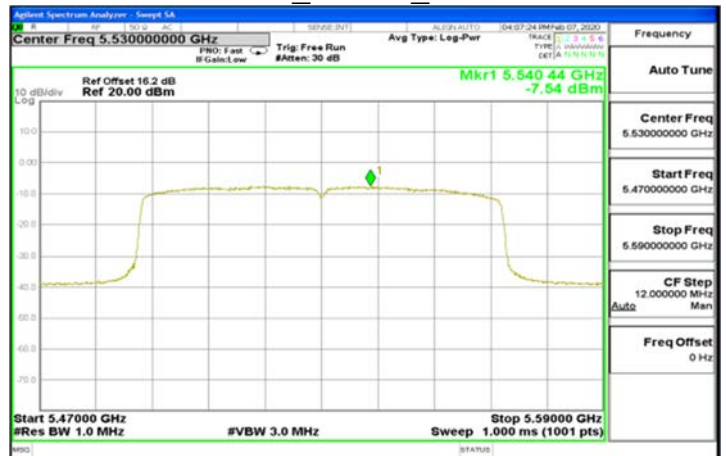
802.11ac\_80MHz\_5290MHz



802.11n\_40MHz\_5795MHz



802.11ac\_80MHz\_5530MHz



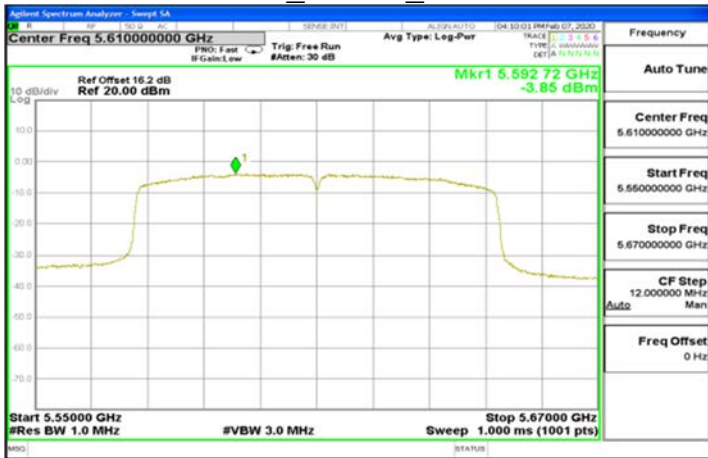
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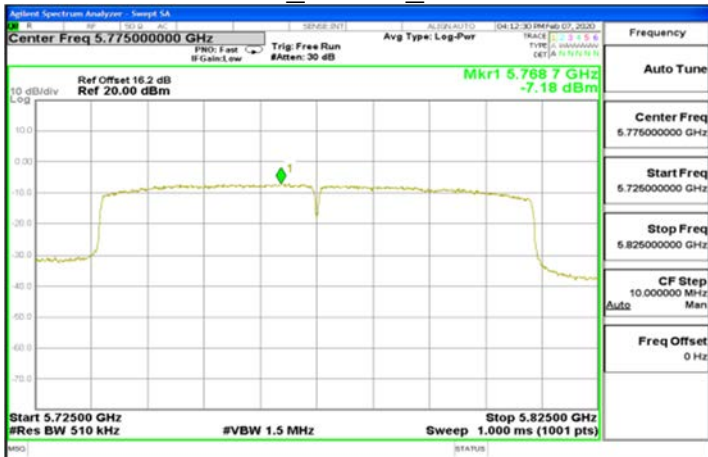
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802.11ac\_80MHz\_5610MHz



802.11ac\_80MHz\_5775MHz



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## 11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

### 11.1 Standard Applicable

#### 11.1.1 Band Edge

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
2. For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m
15.407(b)(1) RSS-247 §6.2.1.2	PK: -27 (dBm/MHz)	PK: 68.3 (dBµV/m)
15.407(b)(2) RSS-247 §6.2.2.2		
15.407(b)(3) RSS-247 §6.2.3.2		
15.407(b)(4)(i) RSS-247 §6.2.4.2	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2(dBµV/m) *1 PK:105.2 (dBµV/m) *2 PK: 110.8(dBµV/m) *3 PK:122.2 (dBµV/m) *4
<p>*1 beyond 75 MHz or more above of the bandedge.            *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.            *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.            *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</p>		

$EIRP = (E \cdot d)^2 / 30$ , where  $E$  is the field in V/m,  $d$  is the measurement distance (3m),  
EIRP is the equivalent isotropically radiated power in Watts.

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### 11.1.2 Spurious Emission

Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000/F(KHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

**Note:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dB $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m)

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## 11.2 Measurement Equipment Used

SGS SAC-III					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Bi-log Antenna	SCHWAZBECK	VULB9168	378	01/04/2019	01/03/2020
Horn Antenna	Schwarzbeck	BBHA9120D	1441	08/20/2019	08/19/2020
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2018	12/24/2019
3m Site NSA	SGS	966 chamber	N/A	01/05/2019	01/04/2020
Loop Antenna	ETS.LINDGREN	6502	148045	10/15/2019	10/14/2020
PXA Spectrum Analyzer	Agilent	N9030A	MY53120760	04/22/2019	04/21/2020
EMI Test Receiver	R&S	ESCI 7	1166.5950.07	07/04/2019	07/03/2020
Pre-Amplifier	HP	8449B	3008A00578	01/05/2019	01/04/2020
Pre-Amplifier	HP	8447D	2944A07676	01/05/2019	01/04/2020
Pre-Amplifier	EMC Instruments	EMC184045B	980135	01/05/2019	01/04/2020
Attenuator	Mini-Circuit	BW-S10W2+	4	01/05/2019	01/04/2020
Filter 5150-5350 MHz	Micro-Tronics	BRM50703	1	01/05/2019	01/04/2020
Filter 5470-5725 MHz	Micro-Tronics	BRM50704	1	01/05/2019	01/04/2020
Filter 5725-5875 MHz	Micro-Tronics	BRM50705	1	01/05/2019	01/04/2020
High Pass Filter	WI	WHKX7.0/18G-8SS	45	01/05/2019	01/04/2020
Low Loss Cable	Huber Suhner	966_RX	9	01/05/2019	01/04/2020

*Note: The measurement was taken place with the long duration of the time, and additional equipment list as shown above indicate those equipment of which has been subject to undertake the calibration in intermediate period of time of the measurement.*

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SGS SAC-III					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Bi-log Antenna	SCHWAZBECK	VULB9168	378	01/03/2020	01/02/2021
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2019	12/24/2020
3m Site NSA	SGS	966 chamber	N/A	01/05/2020	01/04/2021
Pre-Amplifier	HP	8449B	3008A00578	01/05/2020	01/04/2021
Pre-Amplifier	HP	8447D	2944A07676	01/05/2020	01/04/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	01/05/2020	01/04/2021
Attenuator	Mini-Circuit	BW-S10W2+	4	01/05/2020	01/04/2021
Filter 5150-5350 MHz	Micro-Tronics	BRM50703	1	01/05/2020	01/04/2021
Filter 5470-5725 MHz	Micro-Tronics	BRM50704	1	01/05/2020	01/04/2021
Filter 5725-5875 MHz	Micro-Tronics	BRM50705	1	01/05/2020	01/04/2021
High Pass Filter	WI	WHKX7.0/18G-8SS	45	01/05/2020	01/04/2021
Low Loss Cable	Huber Suhner	966_RX	9	01/05/2020	01/04/2021

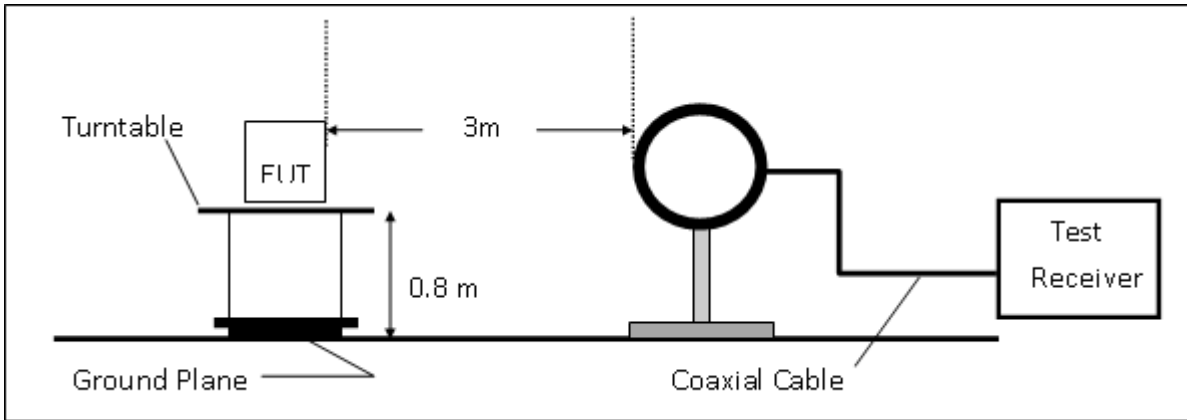
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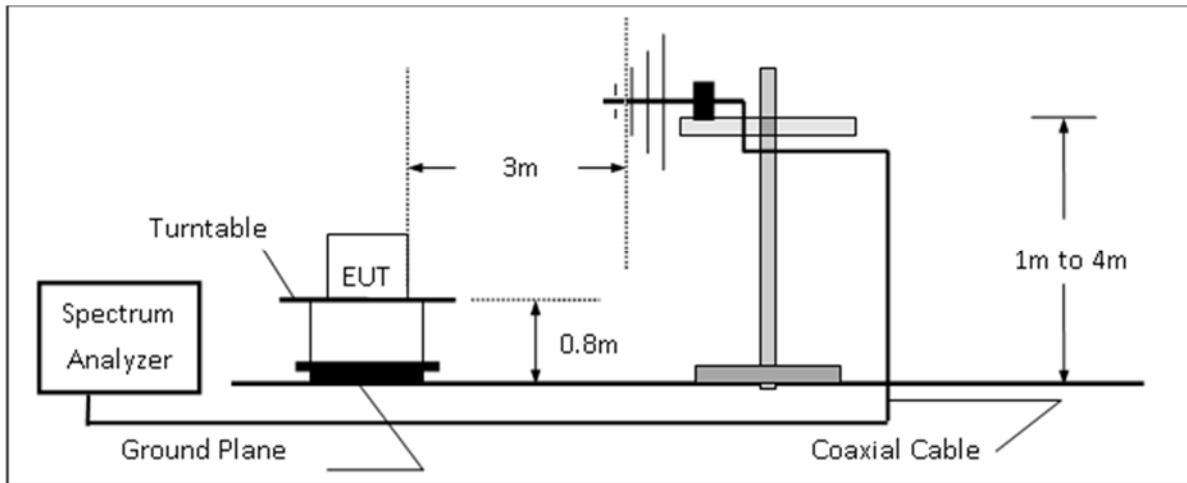
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### 11.3 Test SET-UP

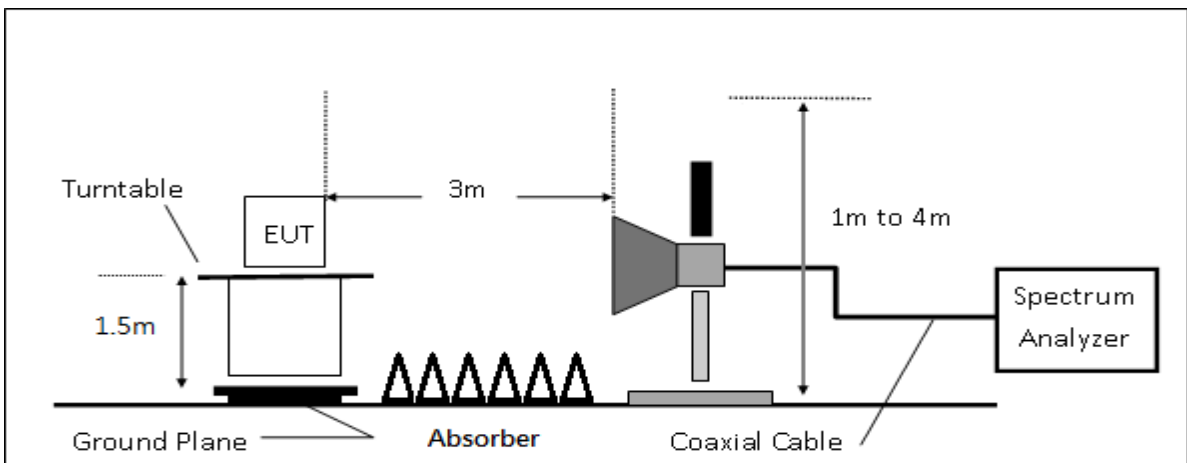
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(B) Radiated Emission Test Set-UP, Frequency form 30MHz to 1000MHz



(C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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#### 11.4 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
4. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
7. At frequency above 1 GHz, Set the spectrum analyzer:
  - A. RBW=1 MHz, VBW=3 MHz for **Peak** Detector.
  - B. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW  $\geq 1/T$  (Duty cycle < 98%) for **Average** Detector.
8. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
9. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
10. Repeat above procedures until all frequency measured were complete.

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## 11.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

**Where** *FS* = Field Strength

*CL* = Cable Attenuation Factor (Cable Loss)

*RA* = Reading Amplitude

*AG* = Amplifier Gain

*AF* = Antenna Factor

The limit of the emission level is expressed in dBuV/m, which converts  $20 \cdot \log(uV/m)$

*Actual FS(dBuV/m) = SPA. Reading level(dBuV) + Factor(dB)*

*Factor(dB) = Antenna Factor(dBuV/m) + Cable Loss(dB) – Pre\_Amplifier Gain(dB)*

## 11.6 Test Results of Radiated Spurious Emissions form 9 KHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

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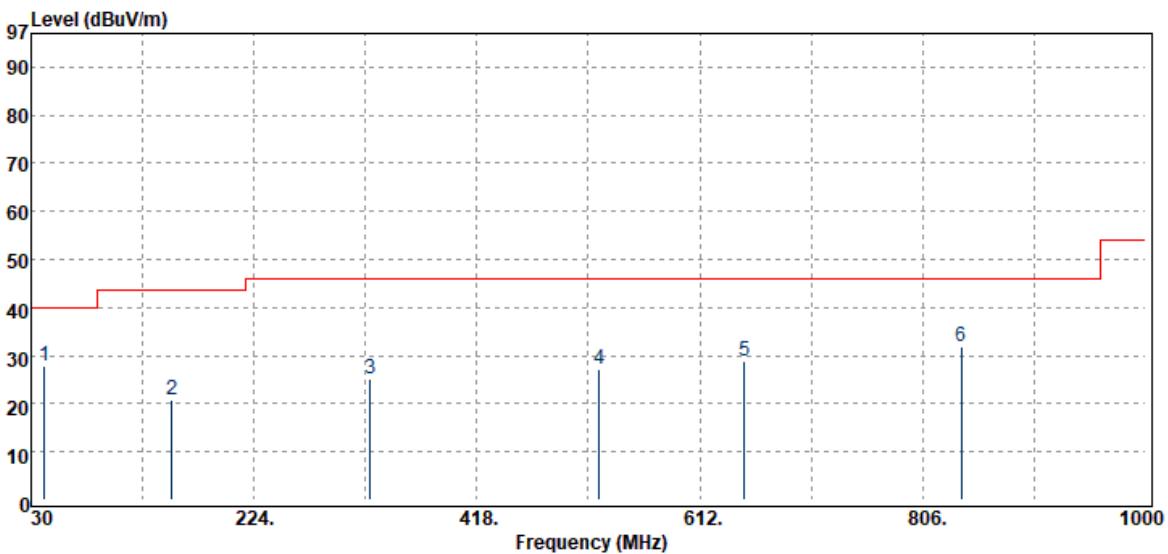


## 11.7 Radiated Spurious Emission Measurement Result

### 11.7.1 Below 1GHz Worst-Case Data:

#### Dipole Antenna (Part No.: ANT-DB1-RAF-RPS)

Report Number	:ER/2019/B0067	Test Date	:2020-02-04
Operation Mode	:802.11a B1	Temp./Humi.	:20.2/65
Test Channel	:5220 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Mid	Engineer	:Thomas
EUT Pol	:E2 Plane		



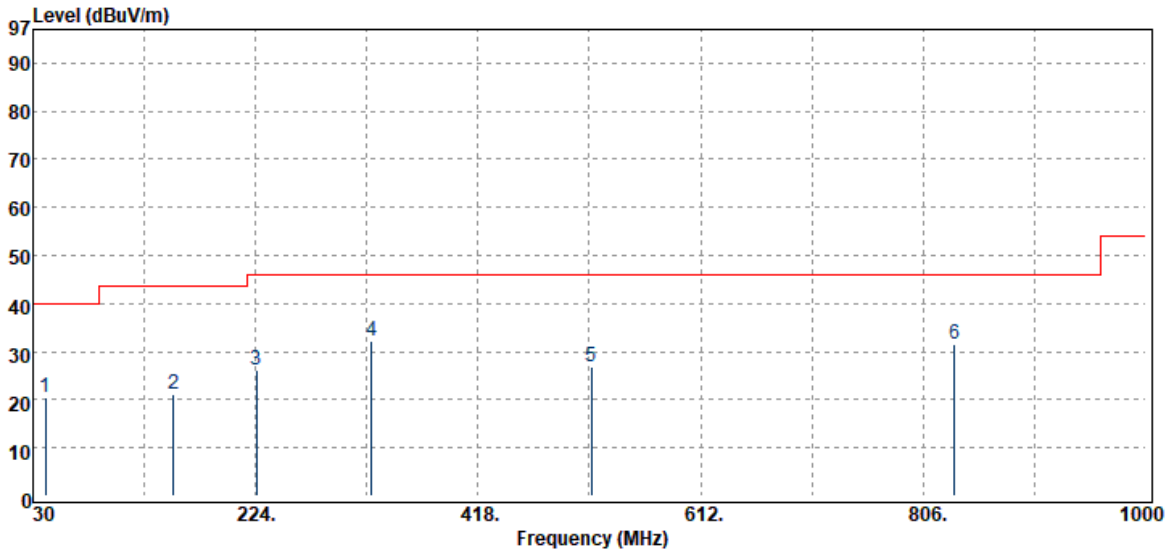
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
41.64	Peak	35.98	-8.07	27.91	40.00	-12.09
152.22	Peak	27.71	-7.00	20.71	43.50	-22.79
324.88	Peak	30.62	-5.29	25.33	46.00	-20.67
524.70	Peak	29.41	-2.08	27.33	46.00	-18.67
650.80	Peak	28.61	0.19	28.80	46.00	-17.20
839.95	Peak	27.61	4.28	31.89	46.00	-14.11

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



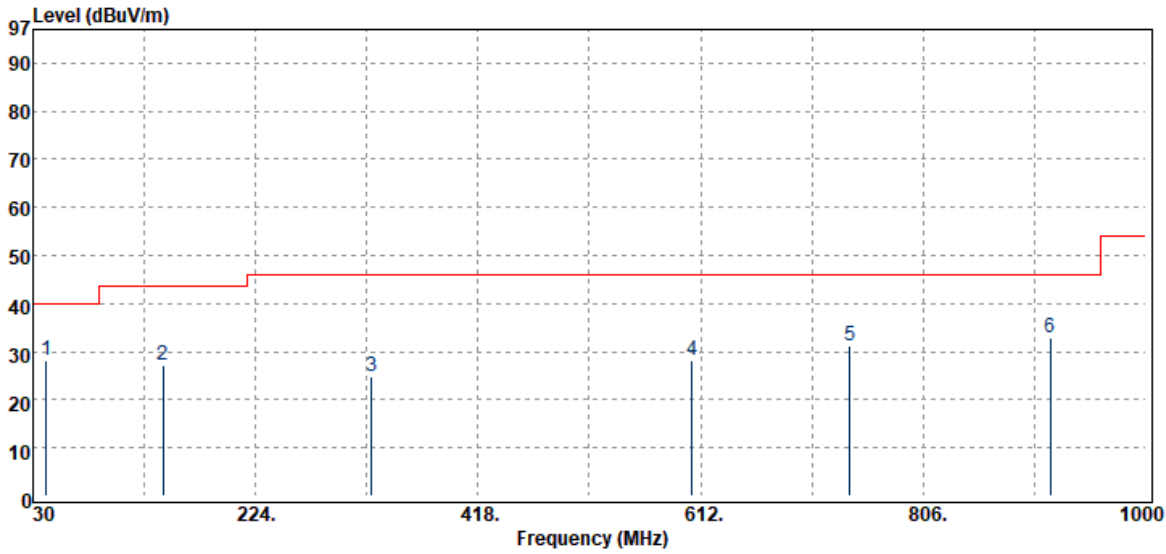
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
40.67	Peak	28.49	-8.16	20.33	40.00	-19.67
152.22	Peak	28.25	-7.00	21.25	43.50	-22.25
224.97	Peak	34.99	-8.90	26.09	46.00	-19.91
324.88	Peak	37.51	-5.29	32.22	46.00	-13.78
516.94	Peak	29.09	-2.18	26.91	46.00	-19.09
833.16	Peak	27.58	4.10	31.68	46.00	-14.32

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



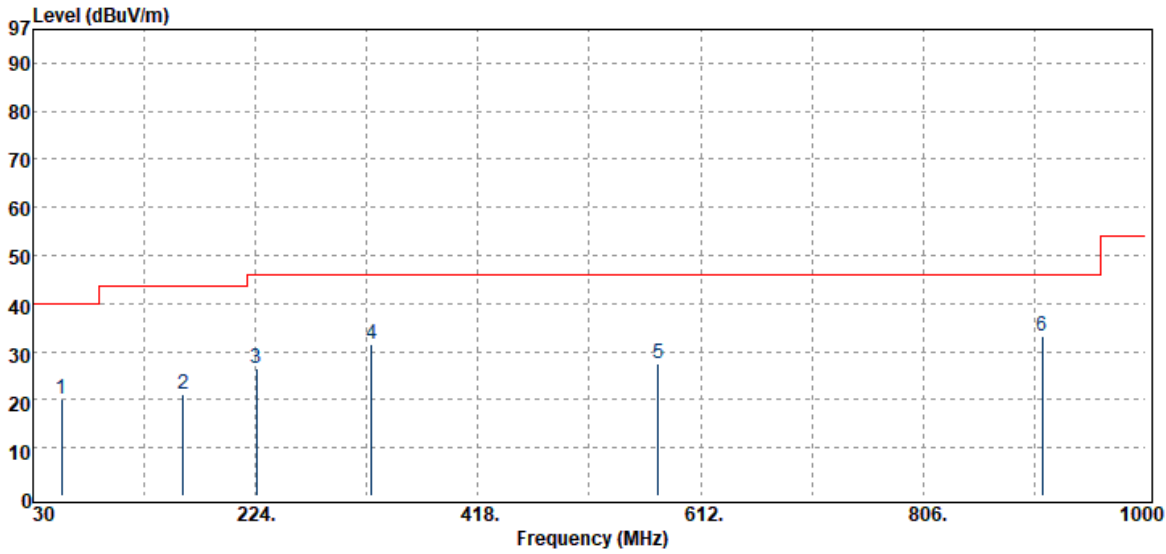
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
41.64	Peak	36.12	-8.07	28.05	40.00	-11.95
143.49	Peak	34.44	-7.29	27.15	43.50	-16.35
324.88	Peak	29.99	-5.29	24.70	46.00	-21.30
604.24	Peak	28.14	-0.10	28.04	46.00	-17.96
741.98	Peak	29.25	2.10	31.35	46.00	-14.65
916.58	Peak	27.42	5.40	32.82	46.00	-13.18

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



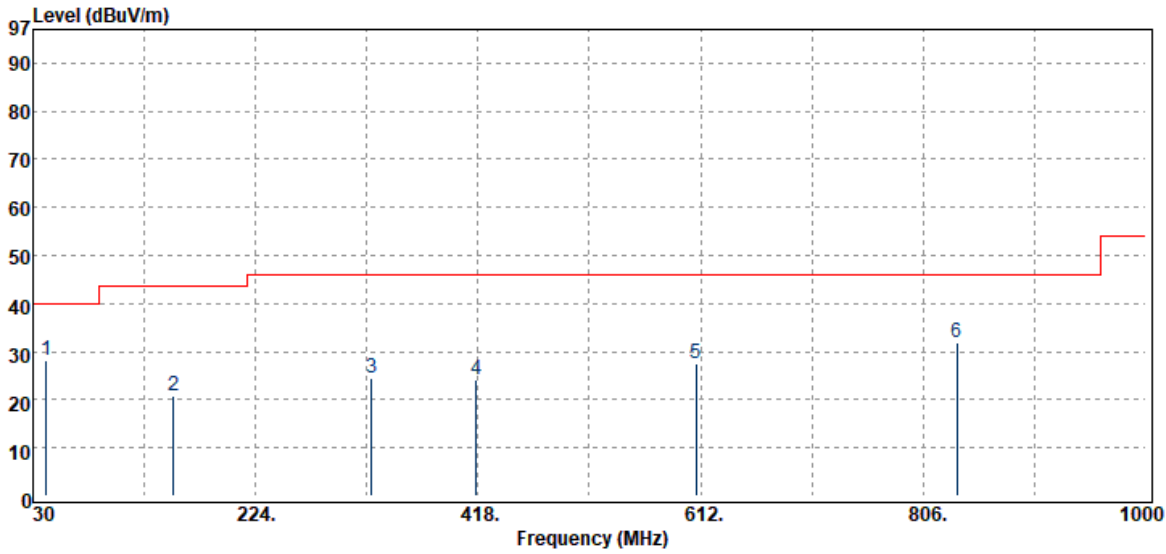
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
55.22	Peak	28.08	-7.98	20.10	40.00	-19.90
160.95	Peak	28.14	-7.14	21.00	43.50	-22.50
224.97	Peak	35.30	-8.90	26.40	46.00	-19.60
324.88	Peak	36.88	-5.29	31.59	46.00	-14.41
575.14	Peak	28.83	-1.19	27.64	46.00	-18.36
909.79	Peak	27.50	5.65	33.15	46.00	-12.85

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
41.64	Peak	36.25	-8.07	28.18	40.00	-11.82
152.22	Peak	27.93	-7.00	20.93	43.50	-22.57
324.88	Peak	29.85	-5.29	24.56	46.00	-21.44
416.06	Peak	27.96	-3.71	24.25	46.00	-21.75
608.12	Peak	27.73	-0.21	27.52	46.00	-18.48
835.10	Peak	27.56	4.17	31.73	46.00	-14.27

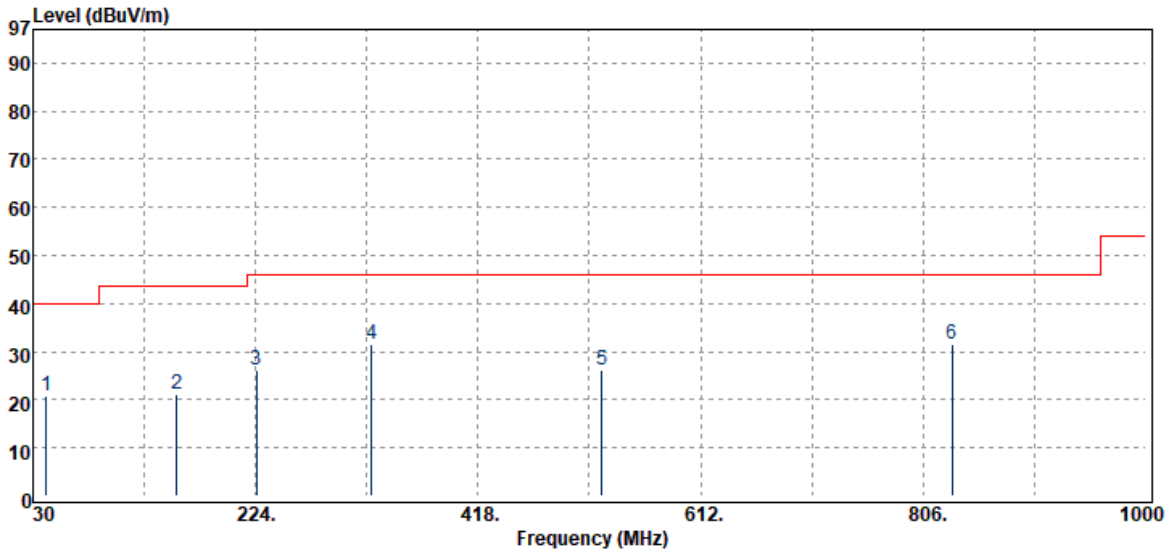
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



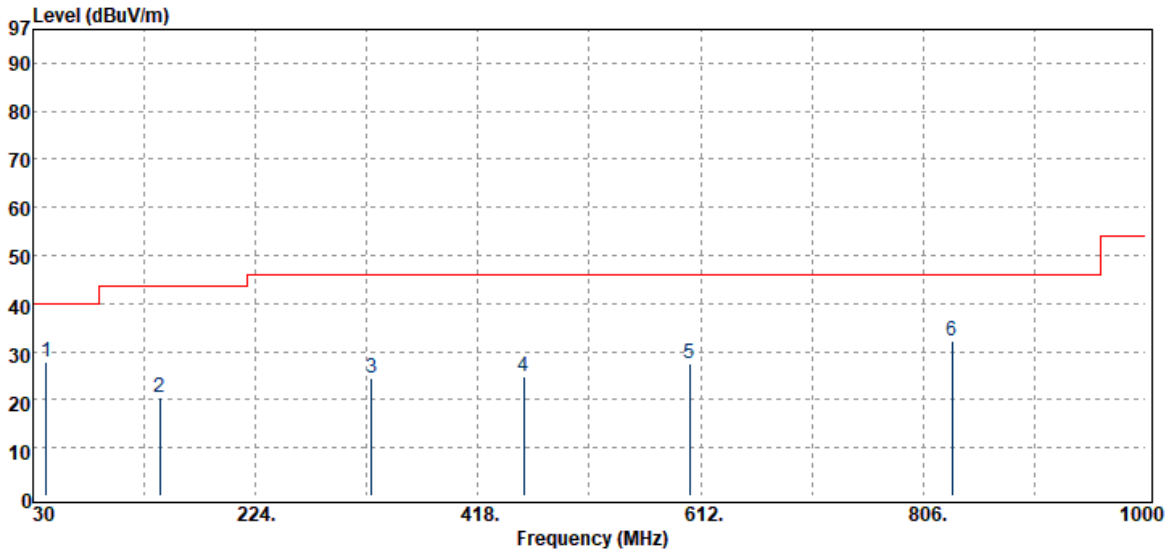
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
41.64	Peak	28.88	-8.07	20.81	40.00	-19.19
155.13	Peak	28.24	-7.05	21.19	43.50	-22.31
224.97	Peak	35.17	-8.90	26.27	46.00	-19.73
324.88	Peak	36.75	-5.29	31.46	46.00	-14.54
525.67	Peak	28.32	-2.09	26.23	46.00	-19.77
831.22	Peak	27.66	4.02	31.68	46.00	-14.32

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



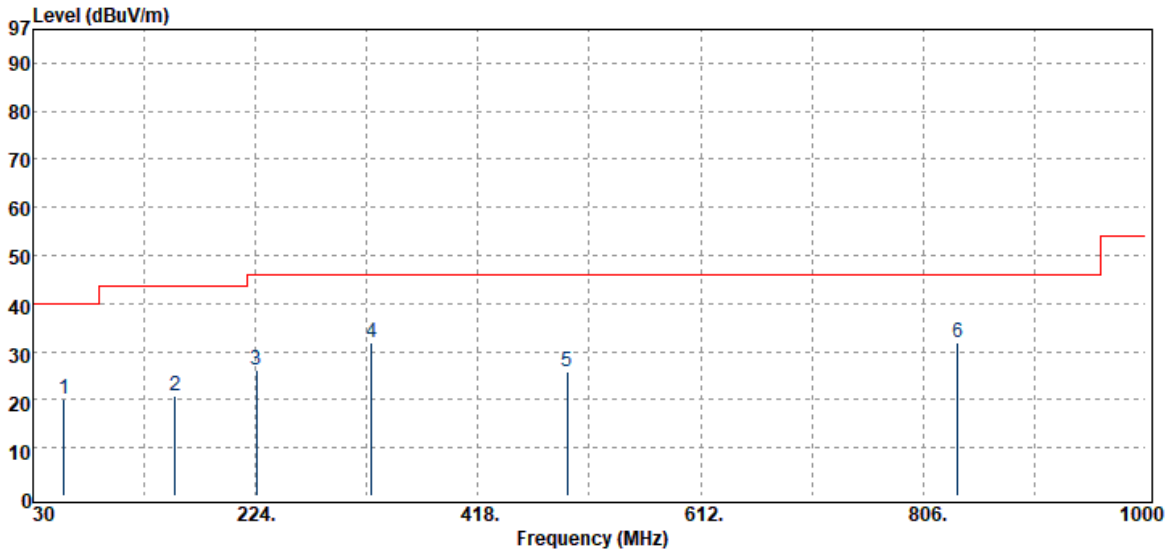
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
41.64	Peak	35.96	-8.07	27.89	40.00	-12.11
140.58	Peak	28.07	-7.59	20.48	43.50	-23.02
324.88	Peak	29.87	-5.29	24.58	46.00	-21.42
457.77	Peak	28.05	-3.23	24.82	46.00	-21.18
602.30	Peak	27.73	-0.12	27.61	46.00	-18.39
831.22	Peak	28.06	4.02	32.08	46.00	-13.92

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
57.16	Peak	28.02	-7.99	20.03	40.00	-19.97
154.16	Peak	27.68	-6.99	20.69	43.50	-22.81
224.97	Peak	35.23	-8.90	26.33	46.00	-19.67
324.88	Peak	37.02	-5.29	31.73	46.00	-14.27
495.60	Peak	28.39	-2.52	25.87	46.00	-20.13
836.07	Peak	27.69	4.20	31.89	46.00	-14.11

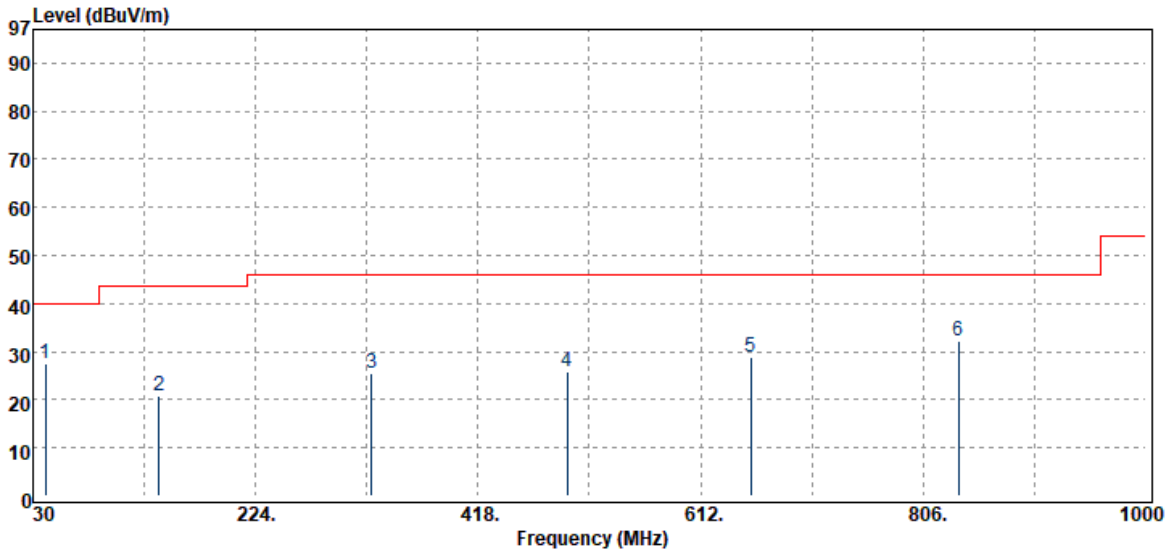
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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B1  
Test Channel :5210 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



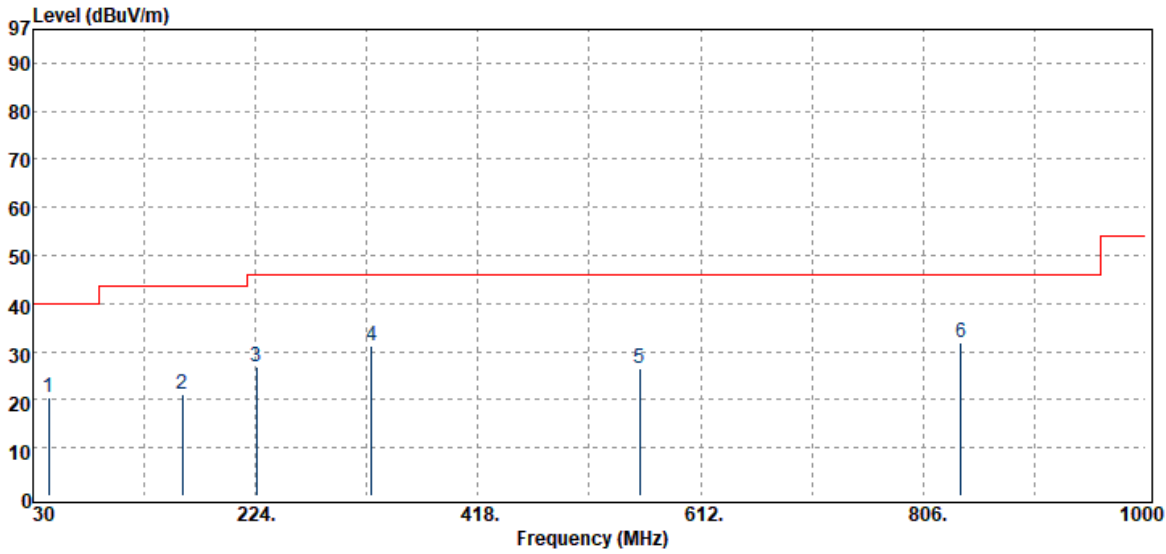
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
40.67	Peak	35.79	-8.16	27.63	40.00	-12.37
139.61	Peak	28.62	-7.76	20.86	43.50	-22.64
324.88	Peak	30.64	-5.29	25.35	46.00	-20.65
495.60	Peak	28.30	-2.52	25.78	46.00	-20.22
655.65	Peak	28.77	0.20	28.97	46.00	-17.03
837.04	Peak	27.96	4.22	32.18	46.00	-13.82

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B1  
Test Channel :5210 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



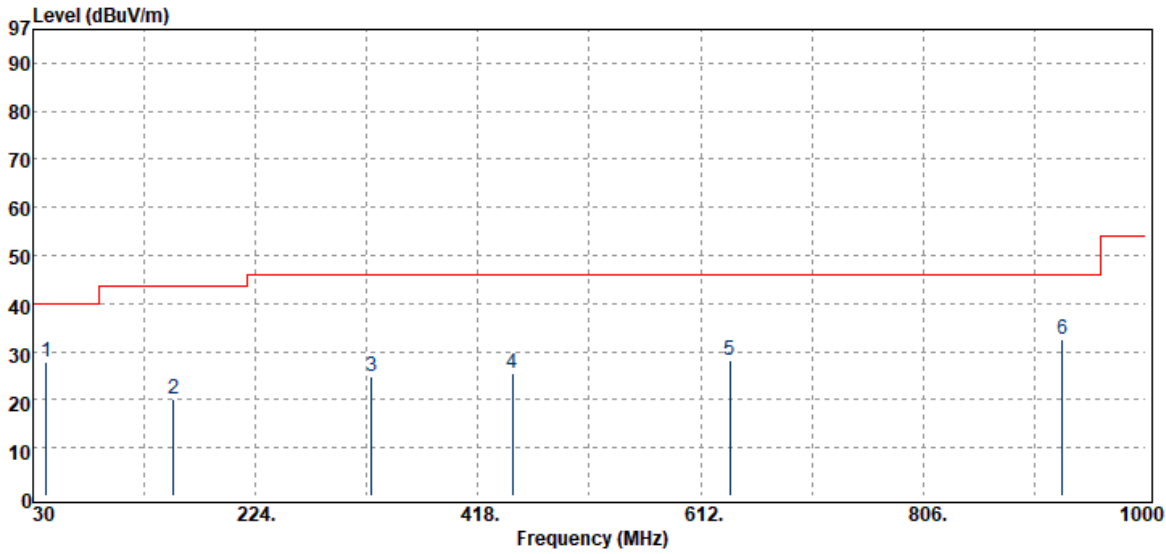
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
43.58	Peak	28.59	-7.95	20.64	40.00	-19.36
159.98	Peak	28.40	-7.12	21.28	43.50	-22.22
224.97	Peak	35.85	-8.90	26.95	46.00	-19.05
324.88	Peak	36.53	-5.29	31.24	46.00	-14.76
558.65	Peak	27.76	-1.38	26.38	46.00	-19.62
838.98	Peak	27.55	4.26	31.81	46.00	-14.19

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B2  
Test Channel :5290 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



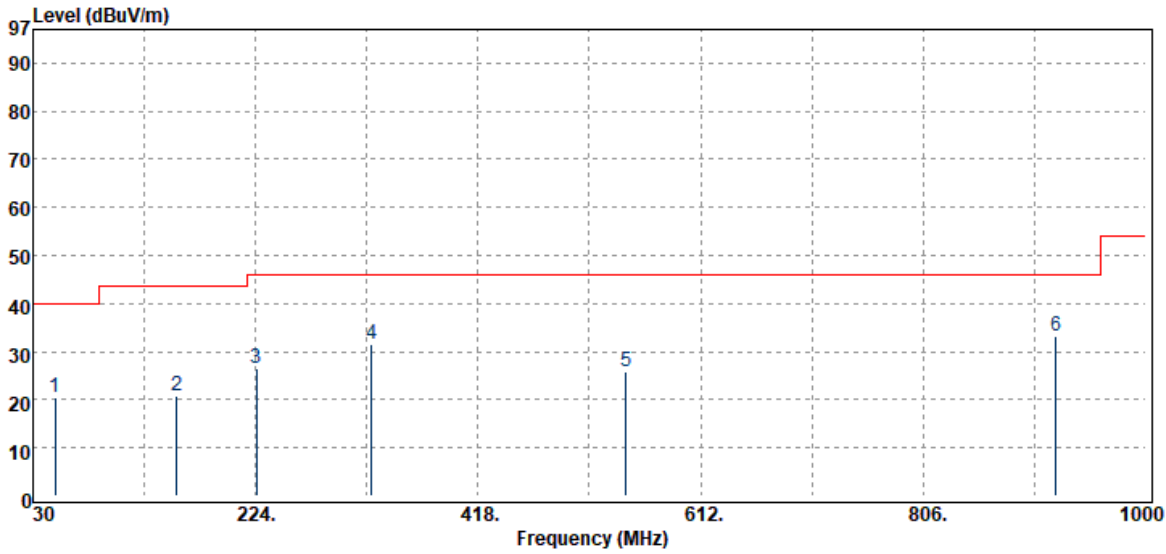
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
41.64	Peak	35.89	-8.07	27.82	40.00	-12.18
152.22	Peak	27.29	-7.00	20.29	43.50	-23.21
324.88	Peak	30.20	-5.29	24.91	46.00	-21.09
448.07	Peak	28.64	-3.30	25.34	46.00	-20.66
637.22	Peak	28.51	-0.18	28.33	46.00	-17.67
927.25	Peak	27.75	4.92	32.67	46.00	-13.33

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B2  
Test Channel :5290 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



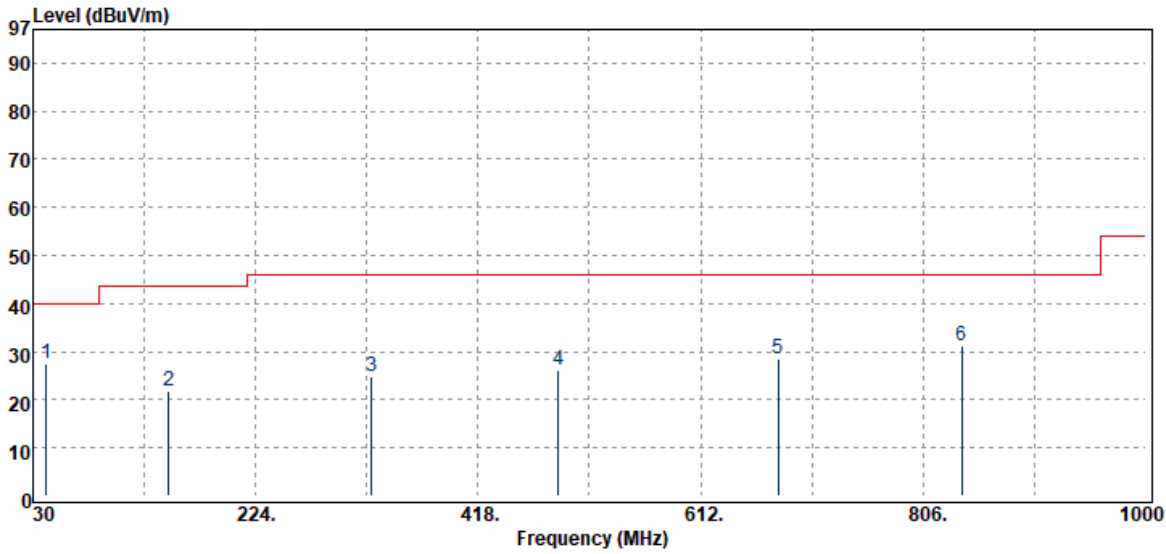
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
49.40	Peak	28.11	-7.66	20.45	40.00	-19.55
155.13	Peak	27.72	-7.05	20.67	43.50	-22.83
224.97	Peak	35.58	-8.90	26.68	46.00	-19.32
324.88	Peak	36.79	-5.29	31.50	46.00	-14.50
547.01	Peak	27.84	-1.83	26.01	46.00	-19.99
921.43	Peak	27.95	5.29	33.24	46.00	-12.76

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5530 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



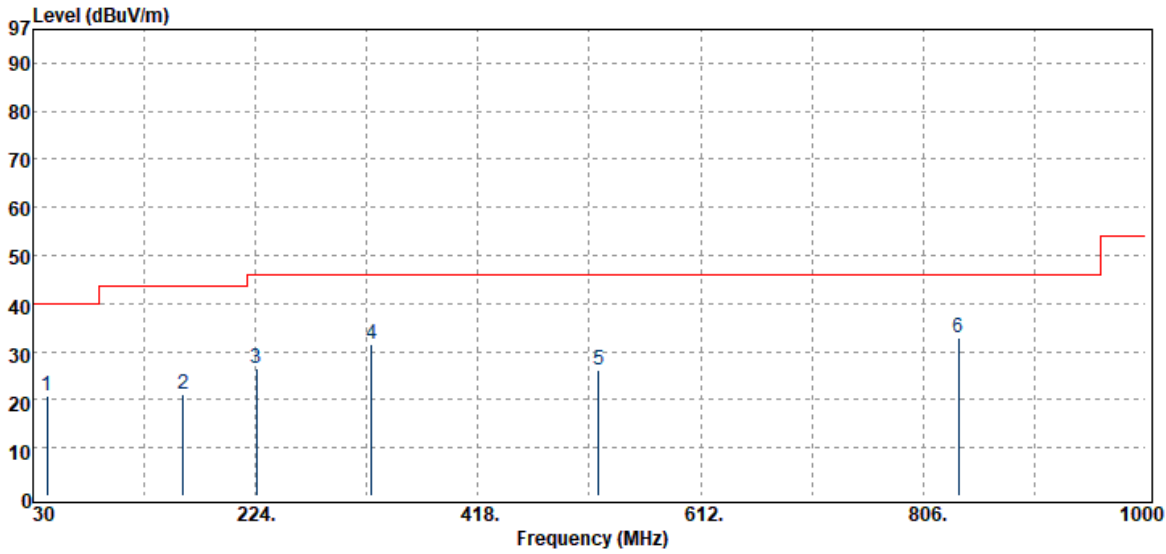
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
41.64	Peak	35.44	-8.07	27.37	40.00	-12.63
148.34	Peak	28.74	-7.04	21.70	43.50	-21.80
324.88	Peak	30.04	-5.29	24.75	46.00	-21.25
487.84	Peak	28.62	-2.40	26.22	46.00	-19.78
679.90	Peak	27.76	0.62	28.38	46.00	-17.62
839.95	Peak	26.95	4.28	31.23	46.00	-14.77

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5530 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



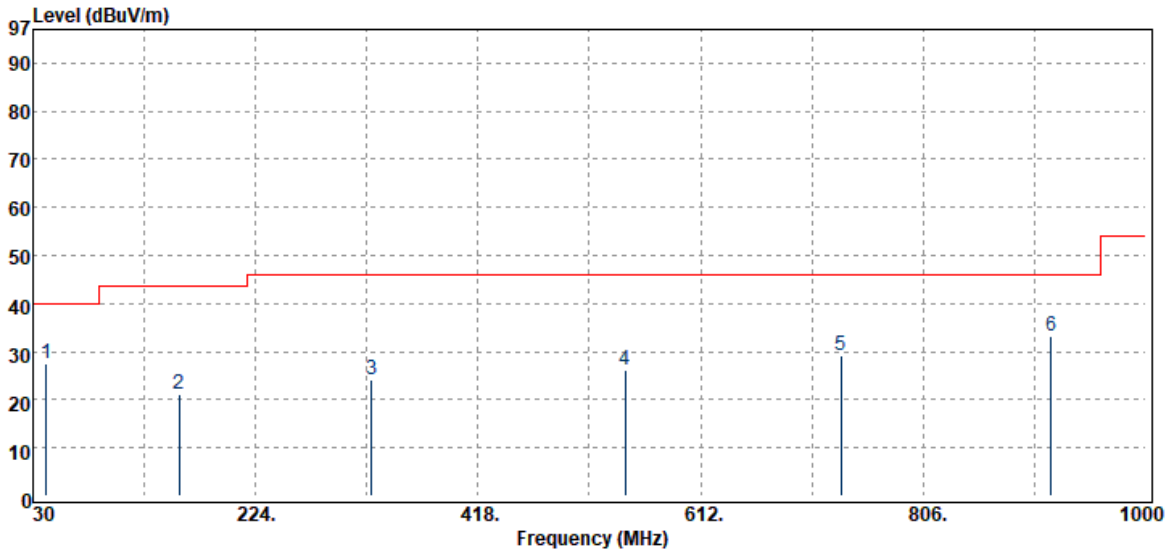
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
42.61	Peak	28.62	-7.95	20.67	40.00	-19.33
160.95	Peak	28.44	-7.14	21.30	43.50	-22.20
224.97	Peak	35.39	-8.90	26.49	46.00	-19.51
324.88	Peak	36.84	-5.29	31.55	46.00	-14.45
522.76	Peak	28.23	-2.04	26.19	46.00	-19.81
837.04	Peak	28.56	4.22	32.78	46.00	-13.22

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B4  
Test Channel :5775 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



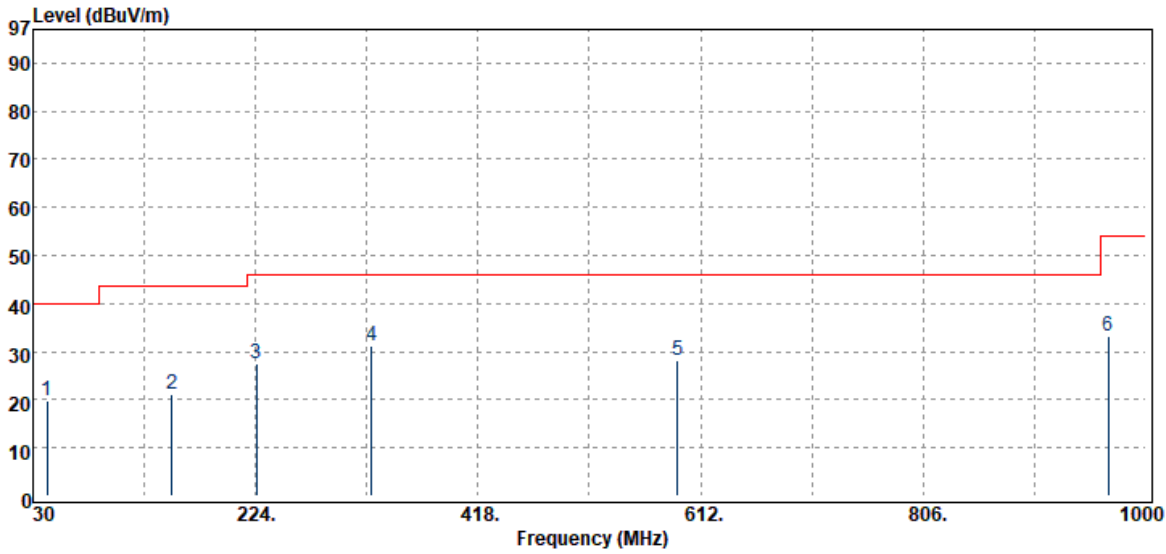
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
41.64	Peak	35.74	-8.07	27.67	40.00	-12.33
157.07	Peak	28.12	-7.14	20.98	43.50	-22.52
324.88	Peak	29.59	-5.29	24.30	46.00	-21.70
546.04	Peak	28.18	-1.88	26.30	46.00	-19.70
734.22	Peak	27.65	1.60	29.25	46.00	-16.75
917.55	Peak	27.86	5.40	33.26	46.00	-12.74

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B4  
Test Channel :5775 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
42.61	Peak	27.85	-7.95	19.90	40.00	-20.10
151.25	Peak	28.13	-6.99	21.14	43.50	-22.36
224.97	Peak	36.39	-8.90	27.49	46.00	-18.51
324.88	Peak	36.49	-5.29	31.20	46.00	-14.80
591.63	Peak	28.64	-0.52	28.12	46.00	-17.88
967.02	Peak	27.83	5.43	33.26	54.00	-20.74

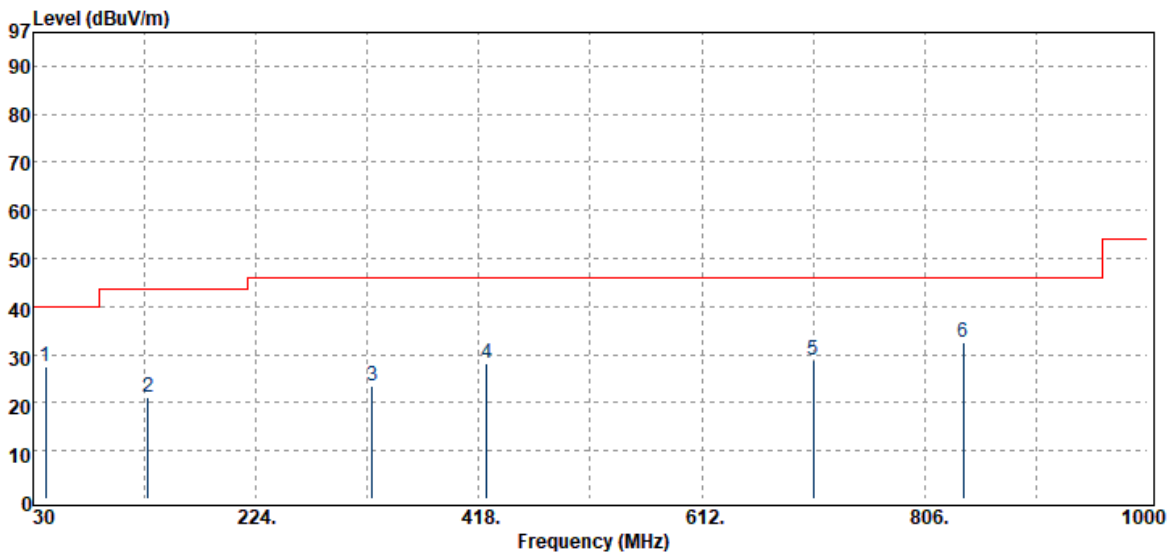
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**PCB Antenna (Part No.: FXP830.07.0100C)**

Report Number	:ER/2019/B0067	Test Date	:2020-02-04
Operation Mode	:802.11a B1	Temp./Humi.	:20.2/65
Test Channel	:5220 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Mid	Engineer	:Thomas
EUT Pol	:E2 Plane		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
40.67	Peak	35.77	-8.16	27.61	40.00	-12.39
129.91	Peak	29.98	-9.00	20.98	43.50	-22.52
324.88	Peak	28.87	-5.29	23.58	46.00	-22.42
424.79	Peak	31.94	-3.82	28.12	46.00	-17.88
709.00	Peak	28.15	0.62	28.77	46.00	-17.23
839.95	Peak	28.18	4.28	32.46	46.00	-13.54

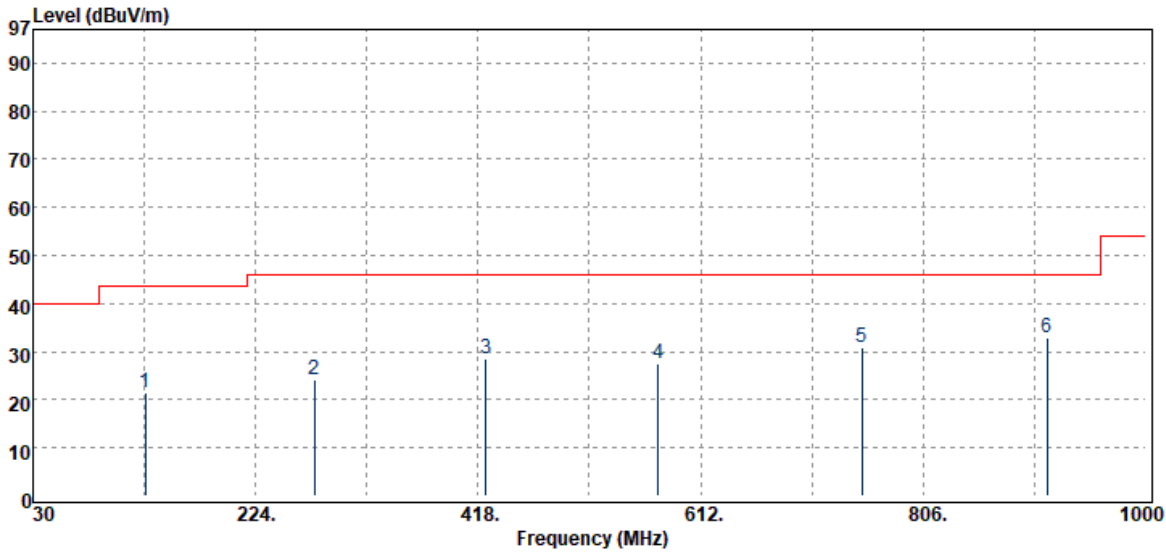
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



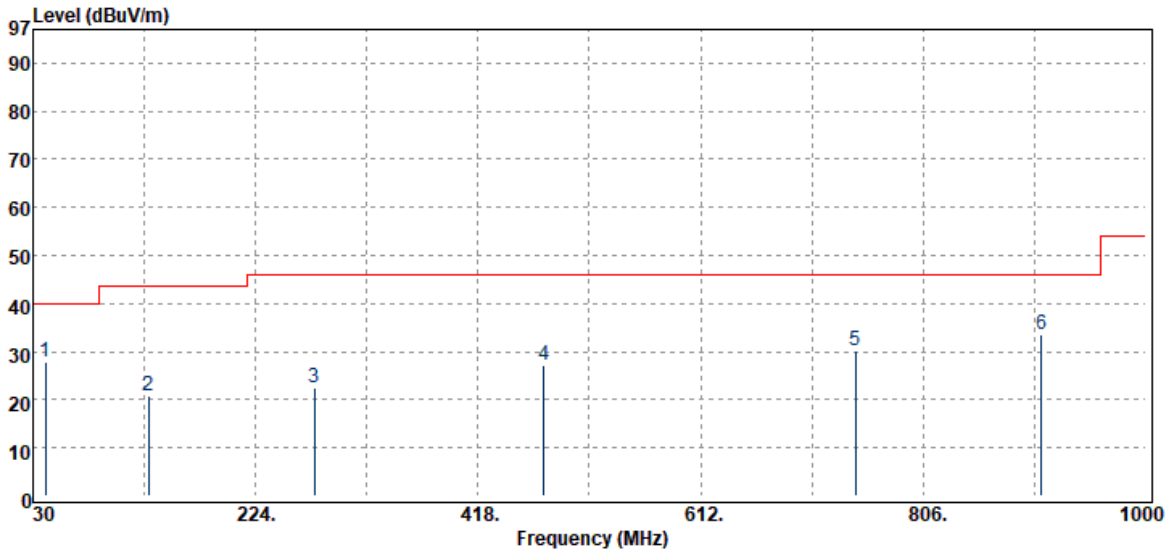
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
127.97	Peak	30.61	-9.23	21.38	43.50	-22.12
275.41	Peak	30.63	-6.58	24.05	46.00	-21.95
424.79	Peak	32.45	-3.82	28.63	46.00	-17.37
575.14	Peak	28.82	-1.19	27.63	46.00	-18.37
752.65	Peak	28.00	2.81	30.81	46.00	-15.19
913.67	Peak	27.33	5.48	32.81	46.00	-13.19

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



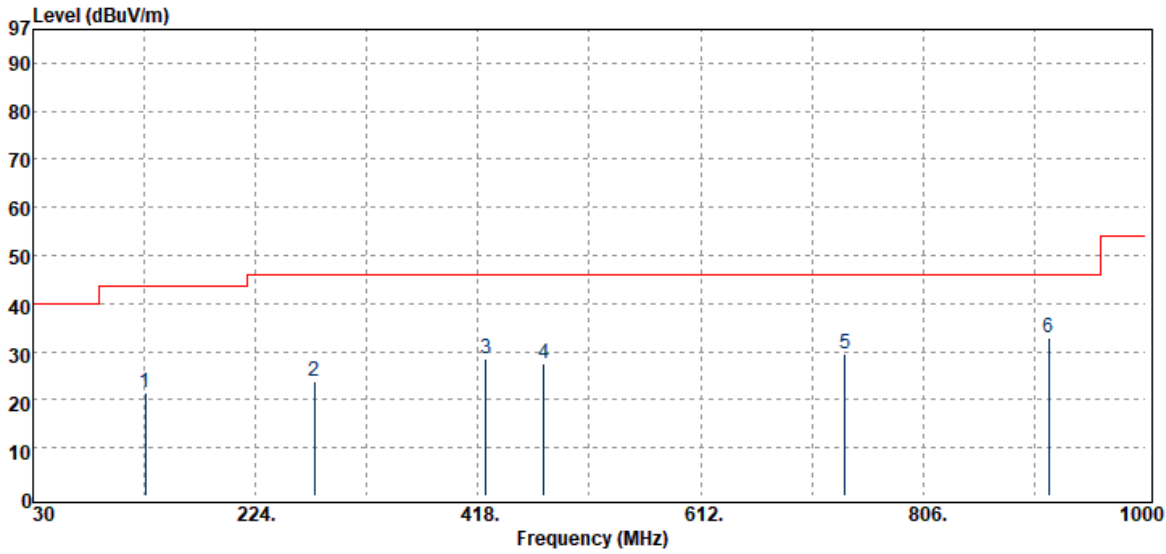
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
40.67	Peak	35.90	-8.16	27.74	40.00	-12.26
130.88	Peak	29.62	-8.81	20.81	43.50	-22.69
275.41	Peak	29.11	-6.58	22.53	46.00	-23.47
475.23	Peak	29.85	-2.72	27.13	46.00	-18.87
746.83	Peak	27.78	2.54	30.32	46.00	-15.68
908.82	Peak	27.81	5.60	33.41	46.00	-12.59

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



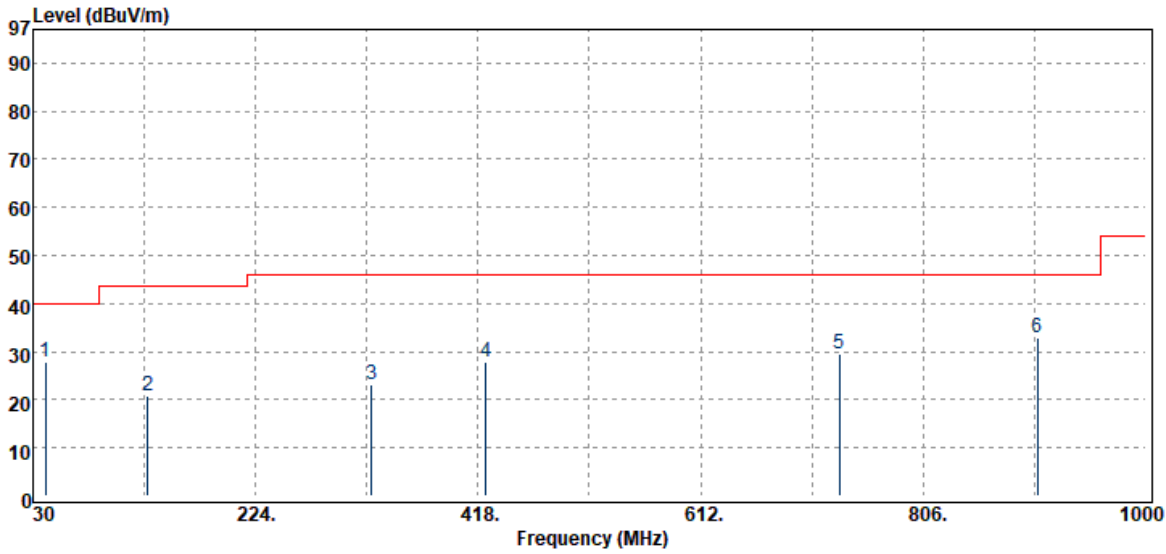
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
127.97	Peak	30.59	-9.23	21.36	43.50	-22.14
275.41	Peak	30.55	-6.58	23.97	46.00	-22.03
424.79	Peak	32.47	-3.82	28.65	46.00	-17.35
475.23	Peak	30.38	-2.72	27.66	46.00	-18.34
738.10	Peak	27.82	1.80	29.62	46.00	-16.38
915.61	Peak	27.39	5.41	32.80	46.00	-13.20

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



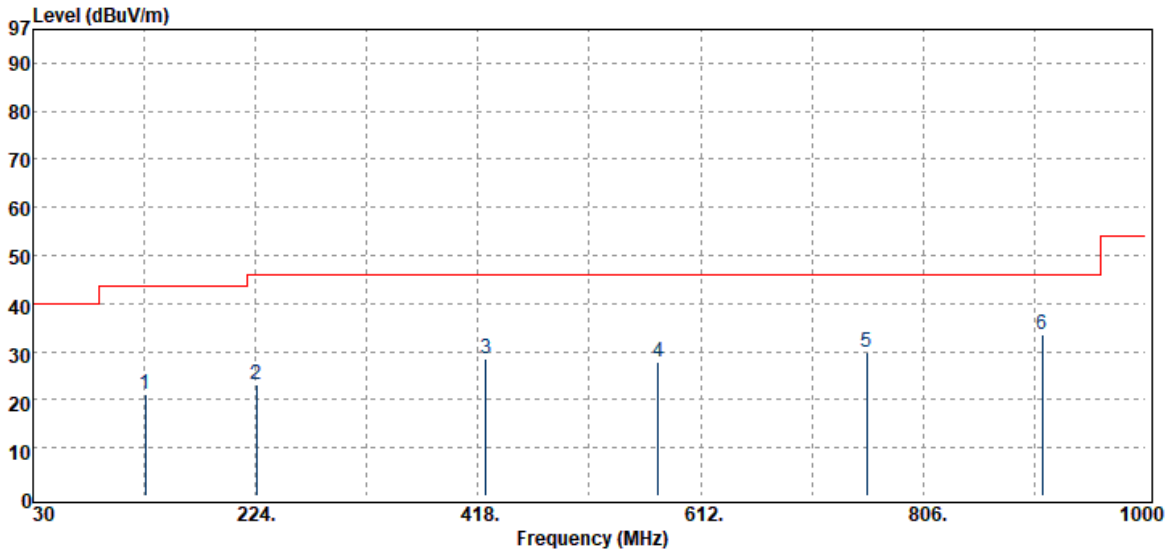
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
40.67	Peak	35.86	-8.16	27.70	40.00	-12.30
129.91	Peak	29.70	-9.00	20.70	43.50	-22.80
324.88	Peak	28.57	-5.29	23.28	46.00	-22.72
424.79	Peak	31.78	-3.82	27.96	46.00	-18.04
733.25	Peak	27.87	1.59	29.46	46.00	-16.54
905.91	Peak	27.33	5.43	32.76	46.00	-13.24

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



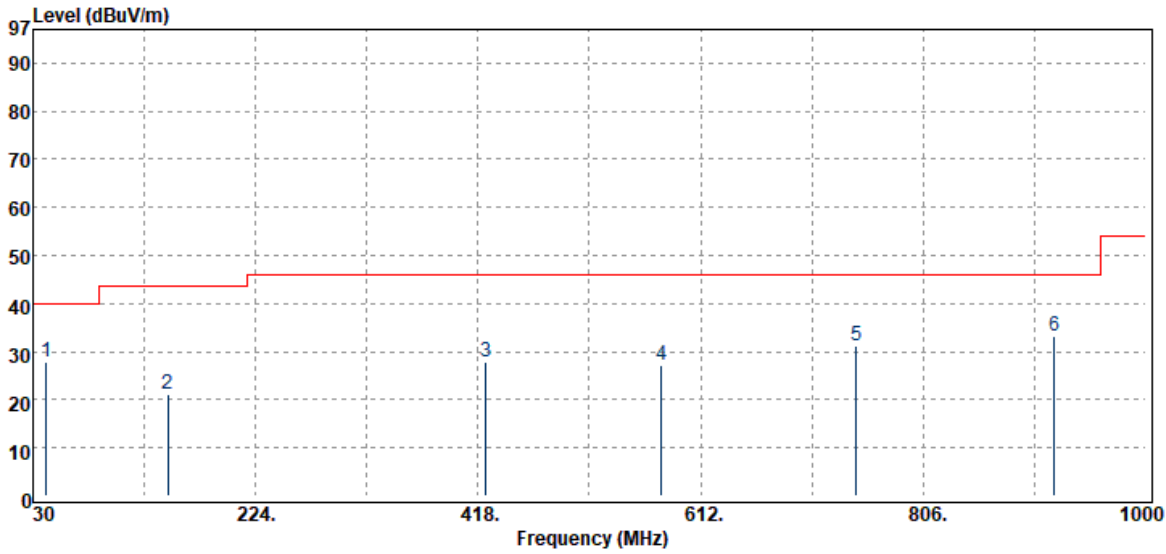
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
127.97	Peak	30.50	-9.23	21.27	43.50	-22.23
224.97	Peak	31.92	-8.90	23.02	46.00	-22.98
424.79	Peak	32.28	-3.82	28.46	46.00	-17.54
575.14	Peak	29.21	-1.19	28.02	46.00	-17.98
756.53	Peak	27.08	2.90	29.98	46.00	-16.02
909.79	Peak	27.85	5.65	33.50	46.00	-12.50

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



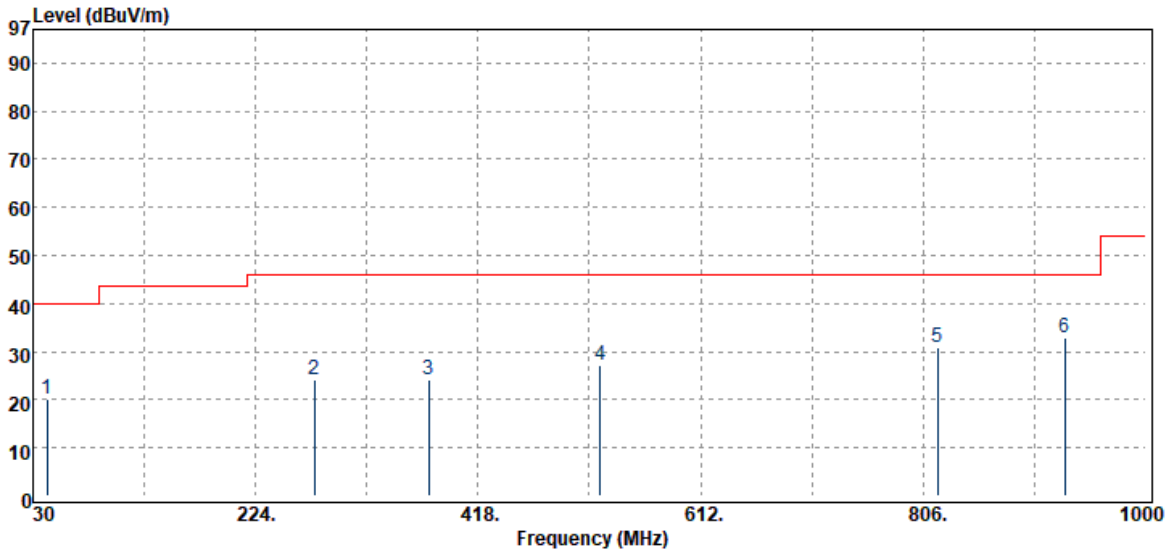
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
41.64	Peak	36.05	-8.07	27.98	40.00	-12.02
147.37	Peak	28.13	-7.06	21.07	43.50	-22.43
424.79	Peak	31.80	-3.82	27.98	46.00	-18.02
578.05	Peak	28.48	-1.18	27.30	46.00	-18.70
747.80	Peak	28.64	2.61	31.25	46.00	-14.75
920.46	Peak	27.85	5.34	33.19	46.00	-12.81

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
42.61	Peak	28.25	-7.95	20.30	40.00	-19.70
275.41	Peak	30.61	-6.58	24.03	46.00	-21.97
375.32	Peak	28.56	-4.45	24.11	46.00	-21.89
524.70	Peak	29.19	-2.08	27.11	46.00	-18.89
818.61	Peak	27.52	3.19	30.71	46.00	-15.29
929.19	Peak	28.15	4.79	32.94	46.00	-13.06

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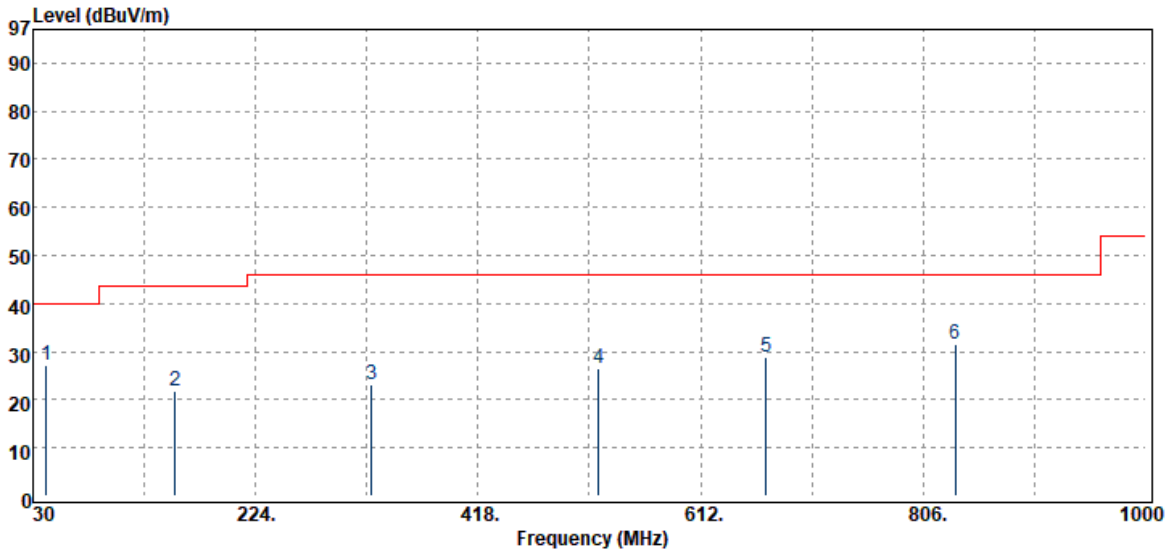
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Report Number :ER/2019/B0067  
Operation Mode :802.11a c80B1  
Test Channel :5210 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



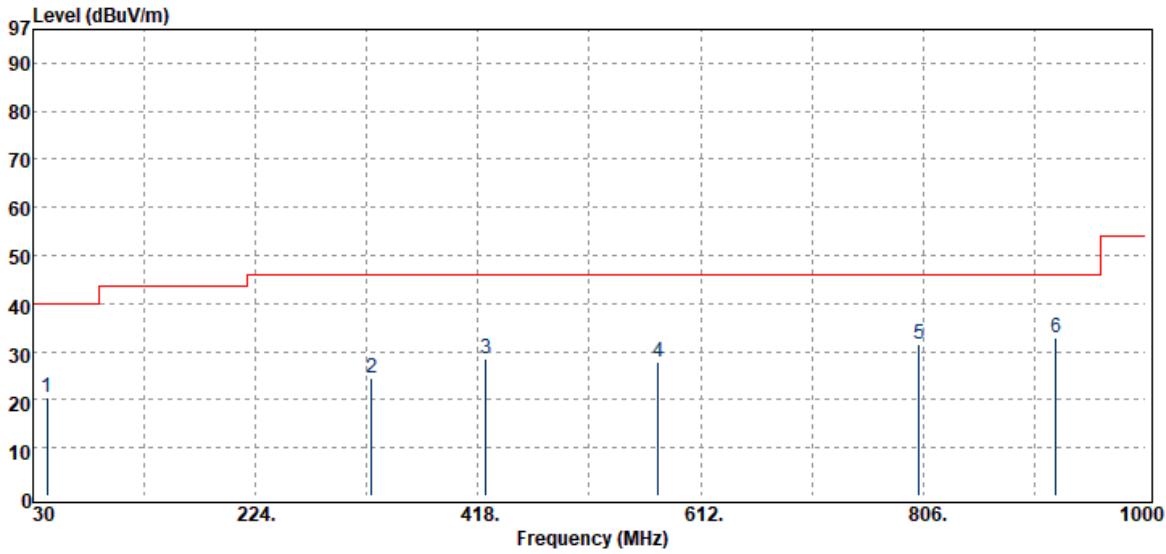
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
41.64	Peak	35.42	-8.07	27.35	40.00	-12.65
154.16	Peak	28.71	-6.99	21.72	43.50	-21.78
324.88	Peak	28.48	-5.29	23.19	46.00	-22.81
522.76	Peak	28.48	-2.04	26.44	46.00	-19.56
669.23	Peak	28.21	0.57	28.78	46.00	-17.22
834.13	Peak	27.56	4.13	31.69	46.00	-14.31

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Report Number :ER/2019/B0067  
Operation Mode :802.11a c80B1  
Test Channel :5210 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



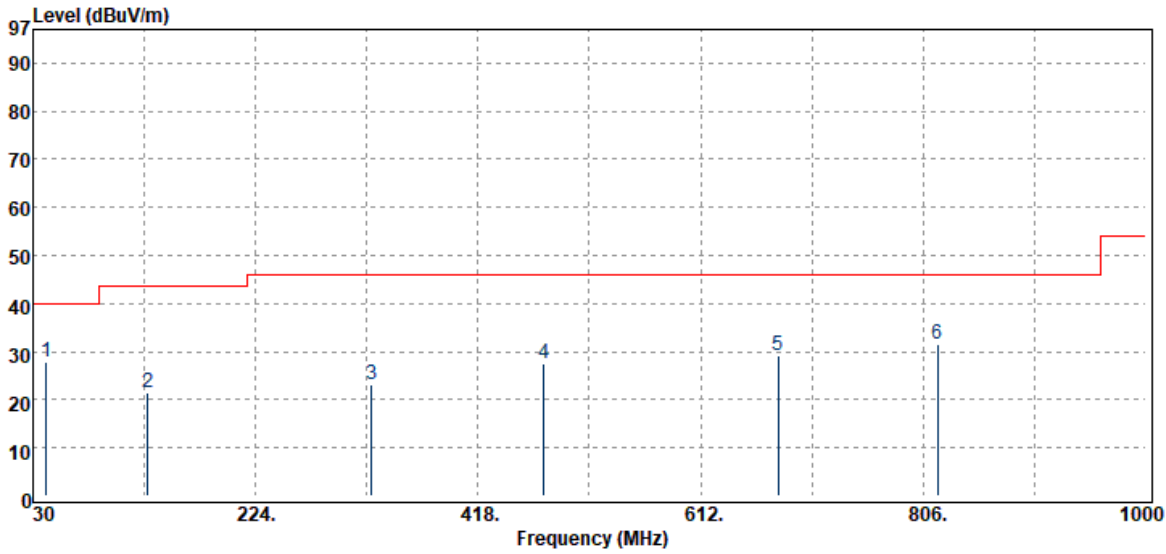
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
42.61	Peak	28.58	-7.95	20.63	40.00	-19.37
324.88	Peak	29.70	-5.29	24.41	46.00	-21.59
424.79	Peak	32.37	-3.82	28.55	46.00	-17.45
575.14	Peak	28.92	-1.19	27.73	46.00	-18.27
802.12	Peak	28.97	2.50	31.47	46.00	-14.53
921.43	Peak	27.50	5.29	32.79	46.00	-13.21

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Report Number :ER/2019/B0067  
Operation Mode :802.11a c80B2  
Test Channel :5290 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



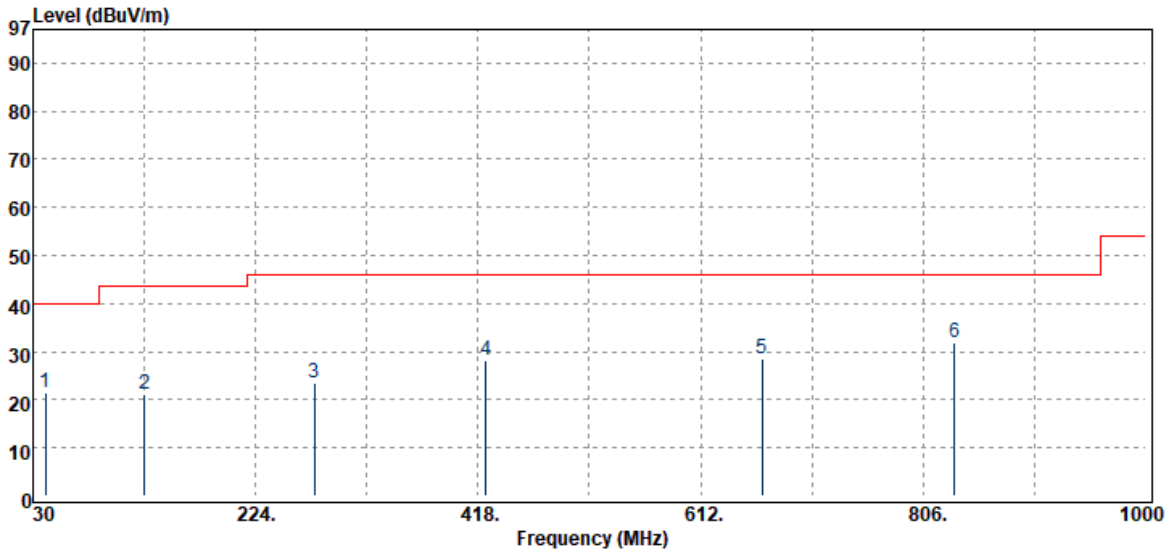
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
41.64	Peak	35.87	-8.07	27.80	40.00	-12.20
129.91	Peak	30.47	-9.00	21.47	43.50	-22.03
324.88	Peak	28.34	-5.29	23.05	46.00	-22.95
475.23	Peak	30.12	-2.72	27.40	46.00	-18.60
679.90	Peak	28.48	0.62	29.10	46.00	-16.90
818.61	Peak	28.49	3.19	31.68	46.00	-14.32

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Report Number :ER/2019/B0067  
Operation Mode :802.11a c80B2  
Test Channel :5290 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



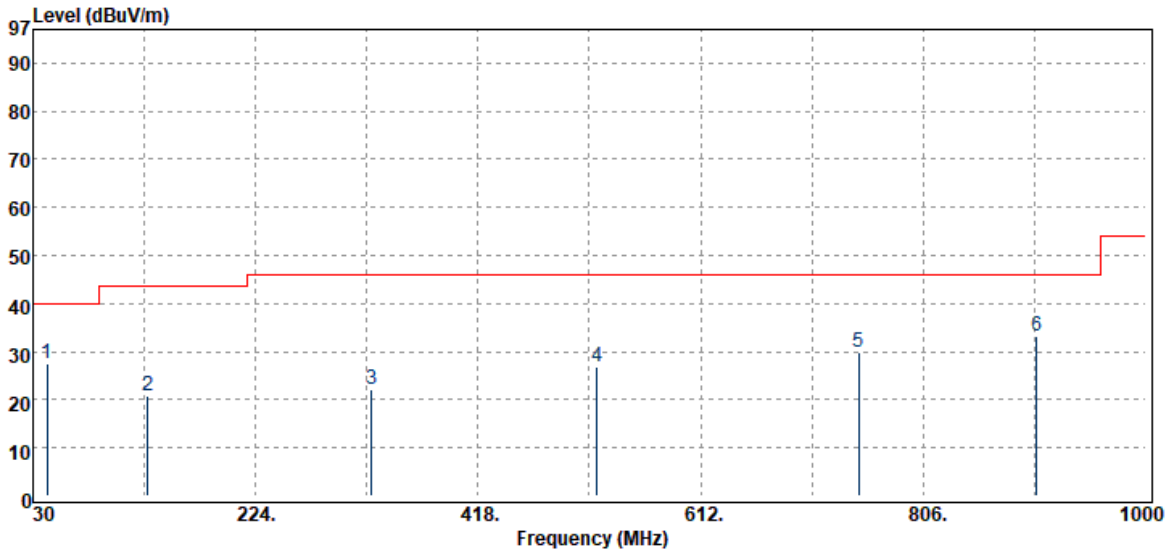
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
40.67	Peak	29.75	-8.16	21.59	40.00	-18.41
127.00	Peak	30.48	-9.34	21.14	43.50	-22.36
275.41	Peak	30.01	-6.58	23.43	46.00	-22.57
424.79	Peak	32.13	-3.82	28.31	46.00	-17.69
665.35	Peak	28.00	0.36	28.36	46.00	-17.64
833.16	Peak	27.84	4.10	31.94	46.00	-14.06

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Report Number :ER/2019/B0067  
Operation Mode :802.11a c80B3  
Test Channel :5530 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



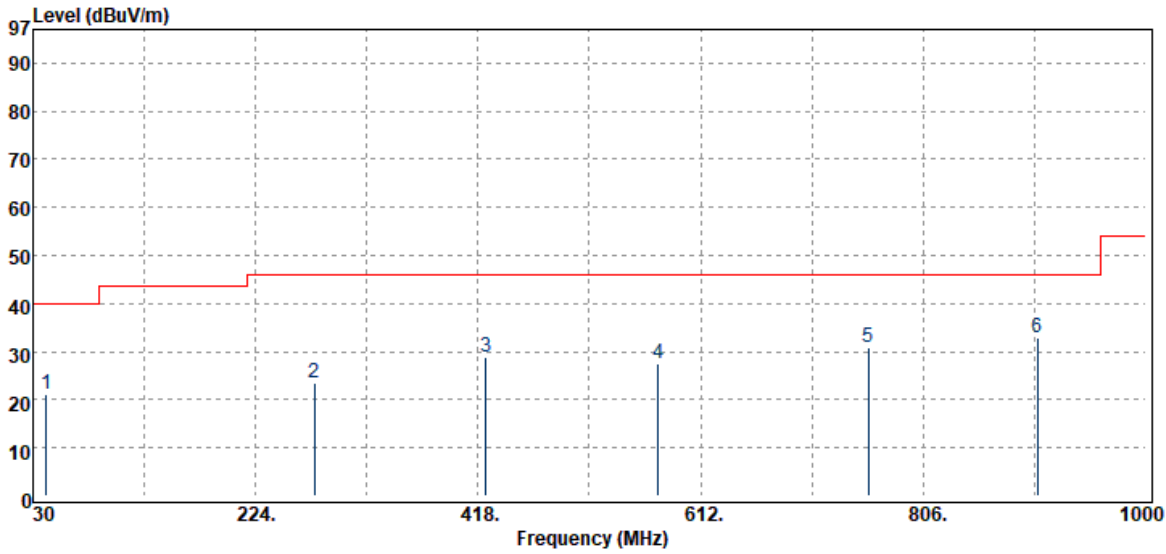
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
42.61	Peak	35.47	-7.95	27.52	40.00	-12.48
129.91	Peak	29.86	-9.00	20.86	43.50	-22.64
324.88	Peak	27.40	-5.29	22.11	46.00	-23.89
521.79	Peak	28.89	-2.01	26.88	46.00	-19.12
749.74	Peak	27.26	2.74	30.00	46.00	-16.00
904.94	Peak	27.87	5.38	33.25	46.00	-12.75

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Report Number :ER/2019/B0067  
Operation Mode :802.11a c80B3  
Test Channel :5530 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
41.64	Peak	29.31	-8.07	21.24	40.00	-18.76
275.41	Peak	30.09	-6.58	23.51	46.00	-22.49
424.79	Peak	32.55	-3.82	28.73	46.00	-17.27
575.14	Peak	28.75	-1.19	27.56	46.00	-18.44
758.47	Peak	27.93	2.97	30.90	46.00	-15.10
905.91	Peak	27.33	5.43	32.76	46.00	-13.24

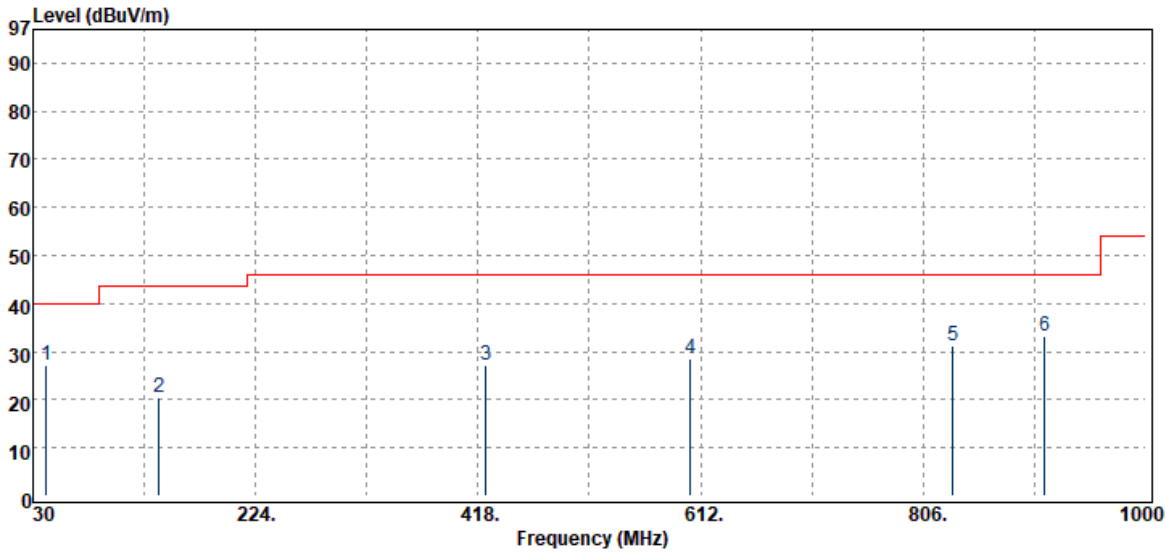
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Report Number :ER/2019/B0067  
Operation Mode :802.11a c80B4  
Test Channel :5775 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



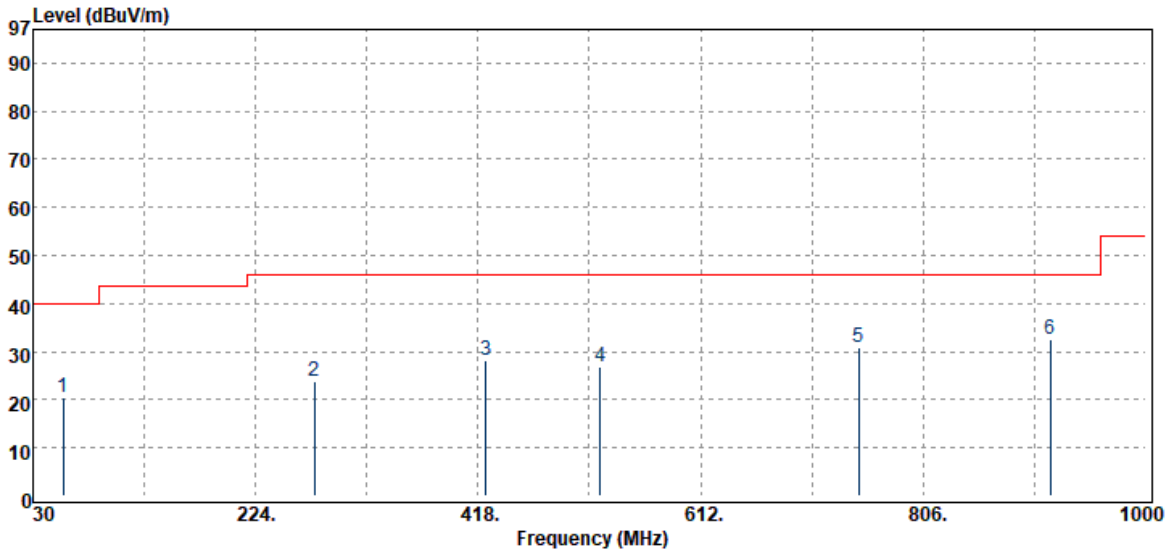
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
41.64	Peak	35.42	-8.07	27.35	40.00	-12.65
139.61	Peak	28.33	-7.76	20.57	43.50	-22.93
424.79	Peak	30.94	-3.82	27.12	46.00	-18.88
603.27	Peak	28.50	-0.11	28.39	46.00	-17.61
832.19	Peak	27.22	4.06	31.28	46.00	-14.72
911.73	Peak	27.77	5.58	33.35	46.00	-12.65

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Report Number :ER/2019/B0067  
Operation Mode :802.11a c80B4  
Test Channel :5775 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
56.19	Peak	28.30	-7.97	20.33	40.00	-19.67
275.41	Peak	30.45	-6.58	23.87	46.00	-22.13
424.79	Peak	31.90	-3.82	28.08	46.00	-17.92
524.70	Peak	28.80	-2.08	26.72	46.00	-19.28
749.74	Peak	28.14	2.74	30.88	46.00	-15.12
916.58	Peak	27.09	5.40	32.49	46.00	-13.51

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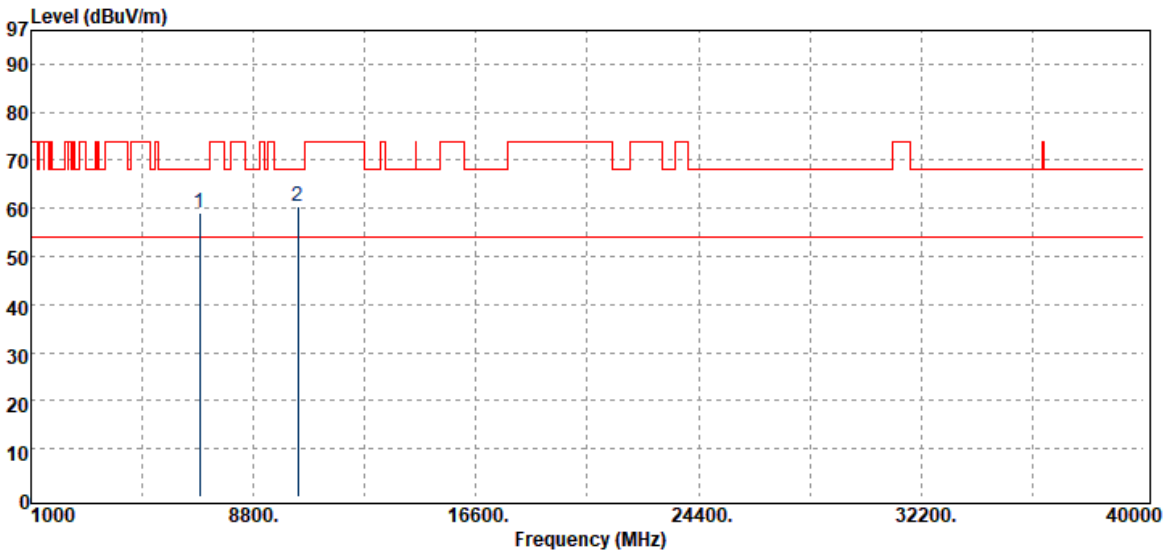
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### 11.7.2 Above 1GHz Worst-Case Data:

#### Dipole Antenna (Part No.: ANT-DB1-RAF-RPS)

Report Number	:ER/2019/B0067	Test Date	:2019-12-25
Operation Mode	:802.11a B1	Temp./Humi.	:22.8/66
Test Channel	:5180 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low	Engineer	:Thomas
EUT Pol	:E2 Plane		



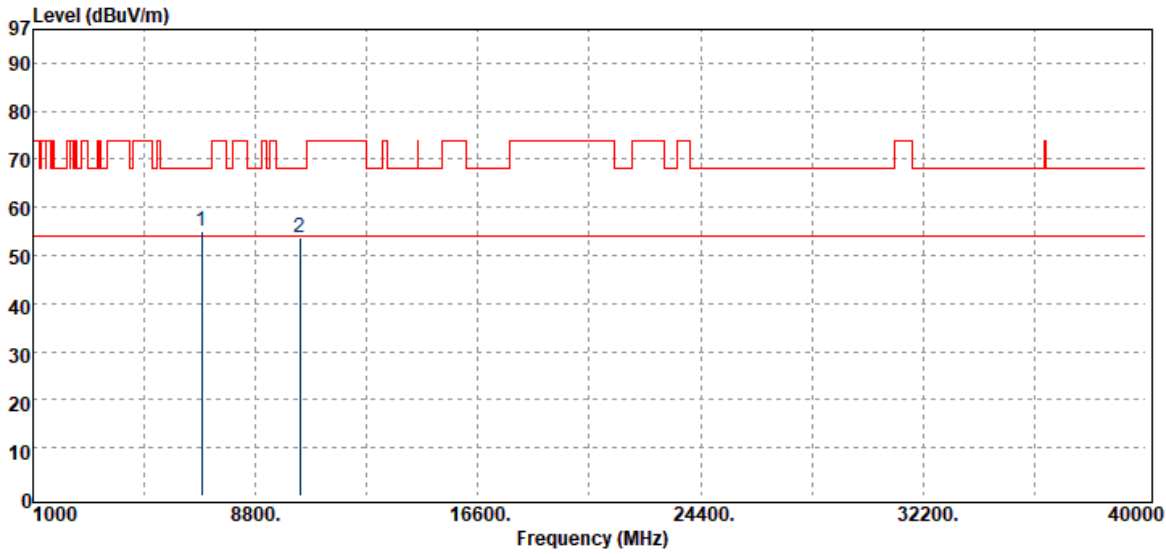
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6907.00	Peak	46.96	12.11	59.07	68.20	-9.13
10360.00	Peak	41.70	18.72	60.42	68.20	-7.78

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5180 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



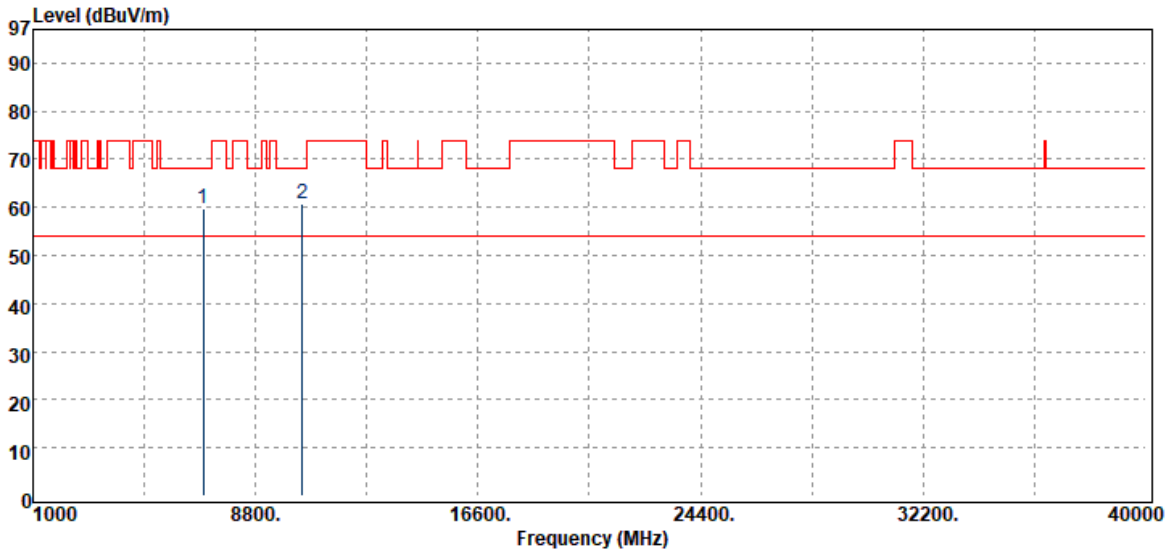
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6907.00	Peak	43.02	12.11	55.13	68.20	-13.07
10360.00	Peak	34.98	18.72	53.70	68.20	-14.50

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



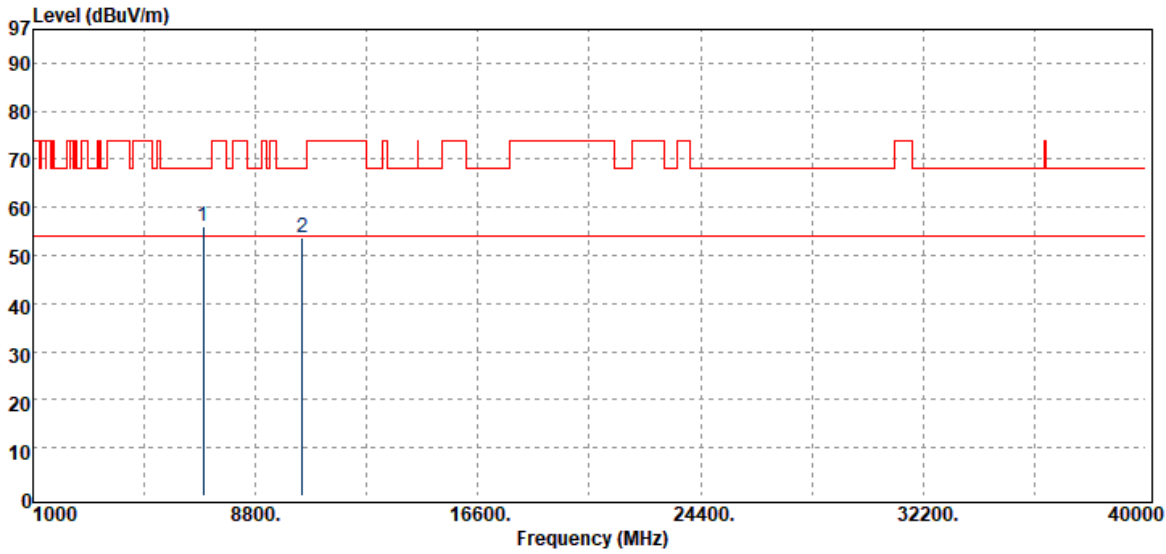
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6960.00	Peak	48.38	11.47	59.85	68.20	-8.35
10440.00	Peak	42.36	18.53	60.89	68.20	-7.31

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6960.00	Peak	44.52	11.47	55.99	68.20	-12.21
10440.00	Peak	35.03	18.53	53.56	68.20	-14.64

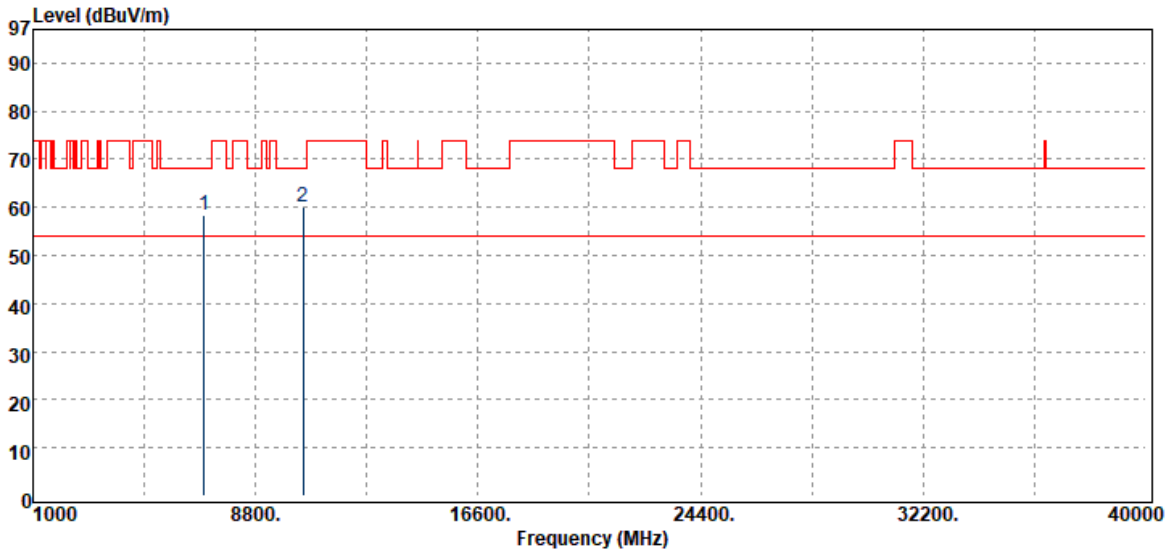
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Report Number :ER/2019/B0067  
 Operation Mode :802.11a B1  
 Test Channel :5240 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-25  
 Temp./Humi. :22.8/66  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
6987.00	Peak	47.09	11.16	58.25	68.20	-9.95
10480.00	Peak	42.25	17.83	60.08	68.20	-8.12

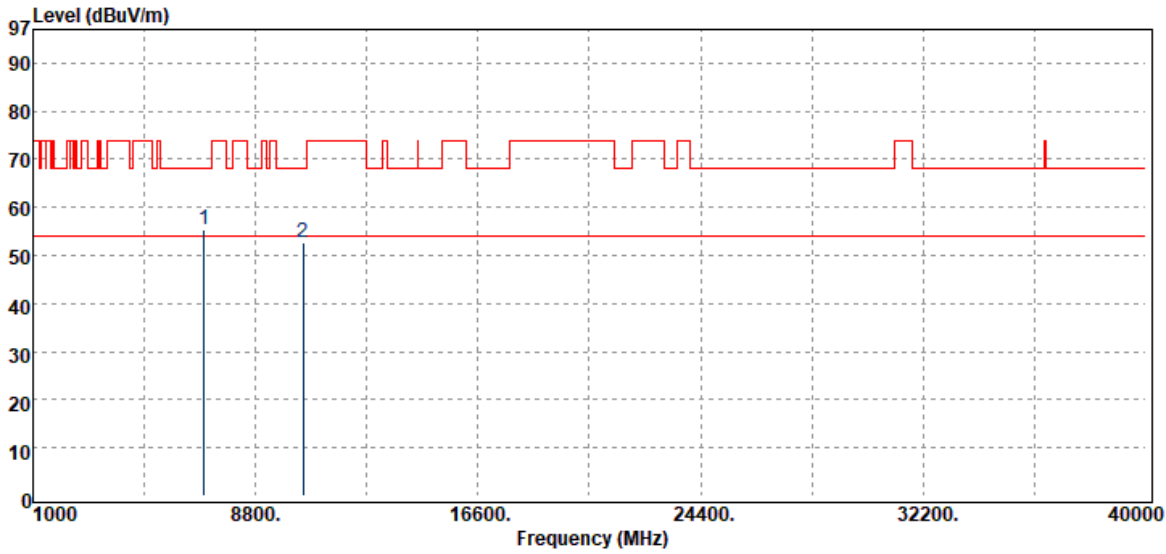
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5240 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



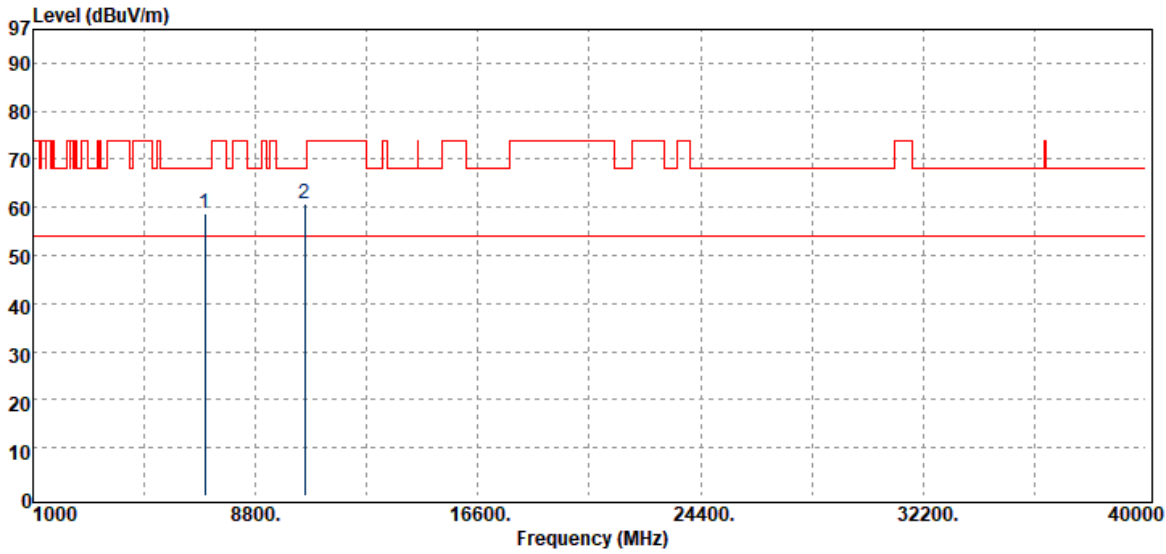
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6987.00	Peak	44.22	11.16	55.38	68.20	-12.82
10480.00	Peak	34.88	17.83	52.71	68.20	-15.49

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5260 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



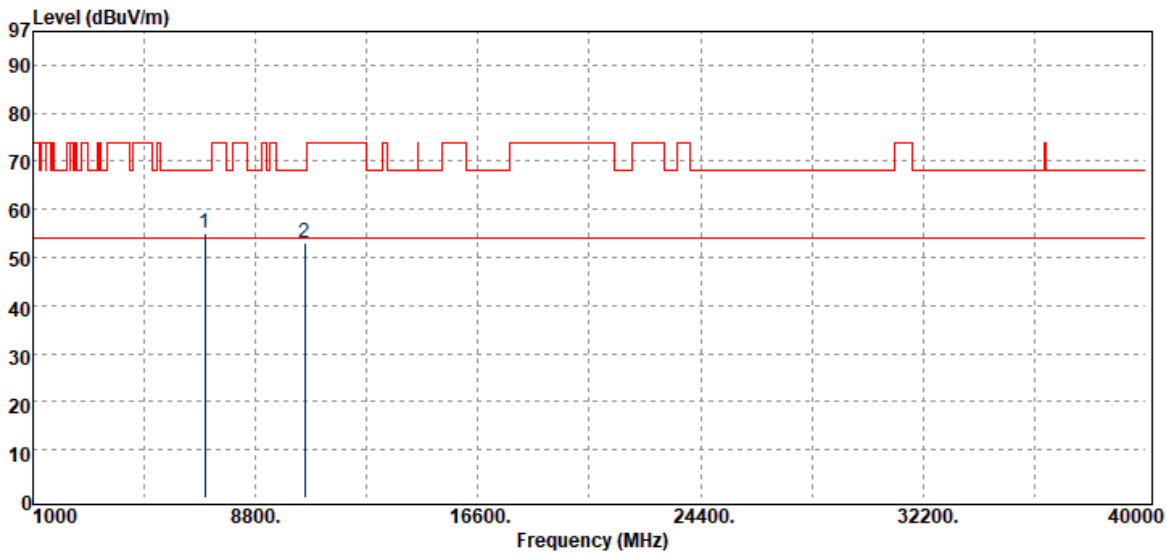
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7013.00	Peak	47.62	11.23	58.85	68.20	-9.35
10520.00	Peak	42.66	18.05	60.71	68.20	-7.49

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5260 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7013.00	Peak	43.79	11.23	55.02	68.20	-13.18
10520.00	Peak	34.98	18.05	53.03	68.20	-15.17

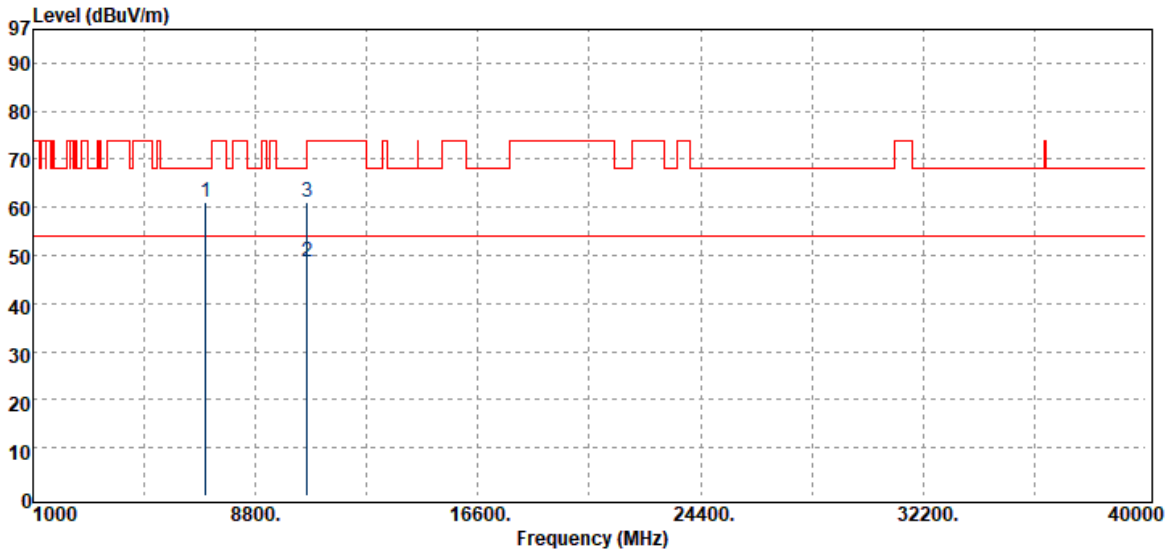
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



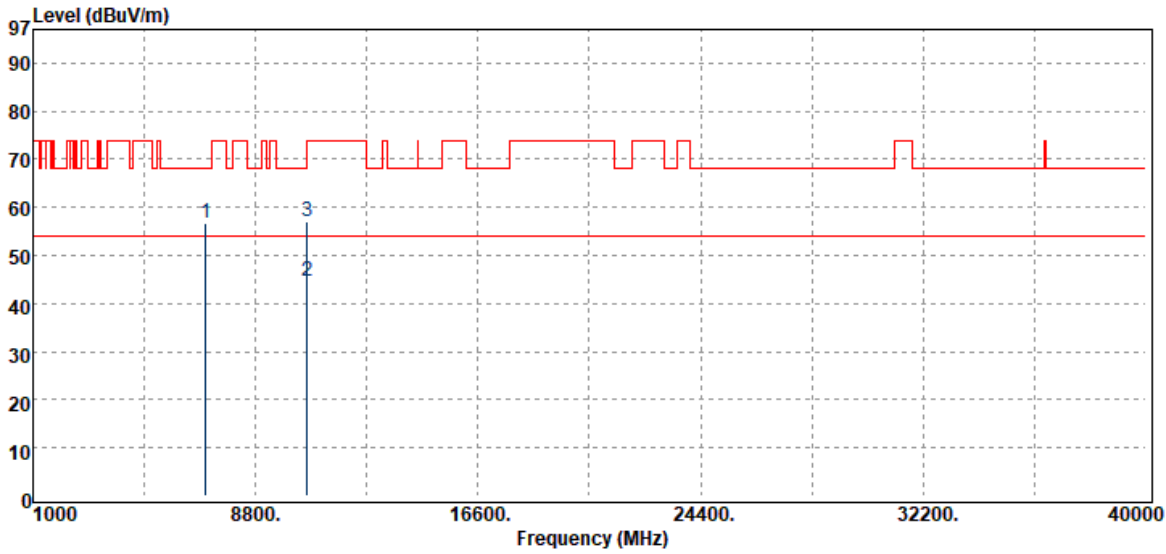
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7067.00	Peak	49.04	12.08	61.12	68.20	-7.08
10600.00	Average	29.55	19.18	48.73	54.00	-5.27
10600.00	Peak	41.77	19.18	60.95	74.00	-13.05

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



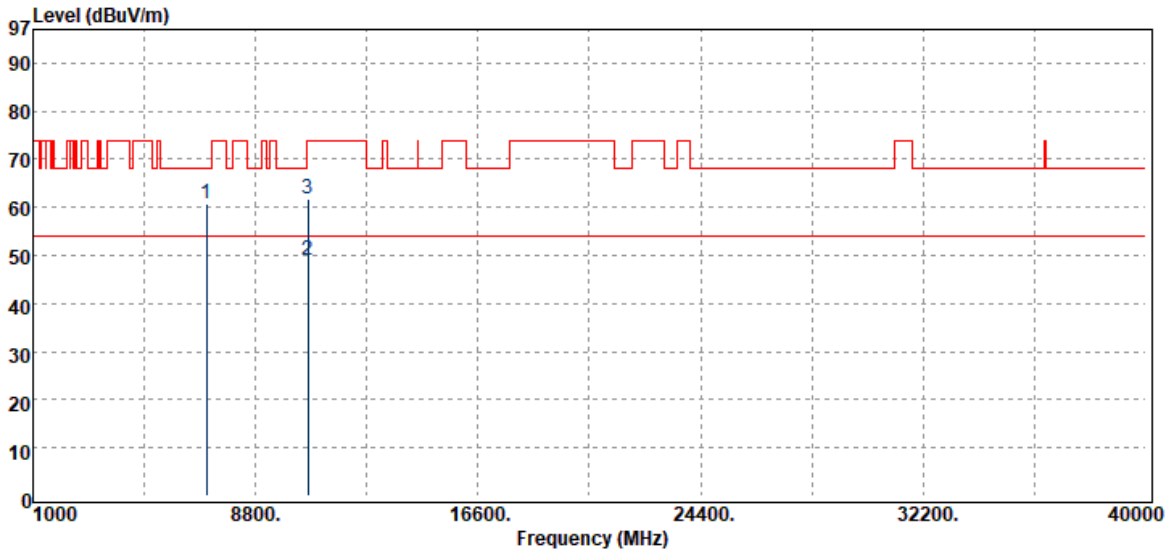
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7067.00	Peak	44.59	12.08	56.67	68.20	-11.53
10600.00	Average	25.51	19.18	44.69	54.00	-9.31
10600.00	Peak	38.00	19.18	57.18	74.00	-16.82

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5320 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



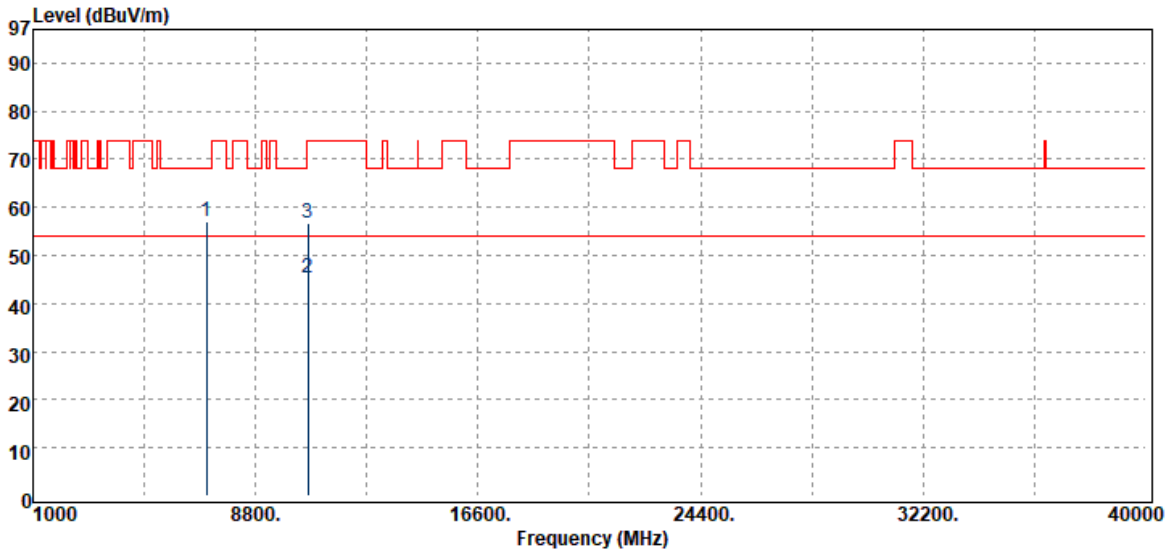
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7093.00	Peak	48.00	12.90	60.90	68.20	-7.30
10640.00	Average	29.67	19.49	49.16	54.00	-4.84
10640.00	Peak	42.33	19.49	61.82	74.00	-12.18

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Report Number :ER/2019/B0067  
 Operation Mode :802.11a B2  
 Test Channel :5320 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-25  
 Temp./Humi. :22.8/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



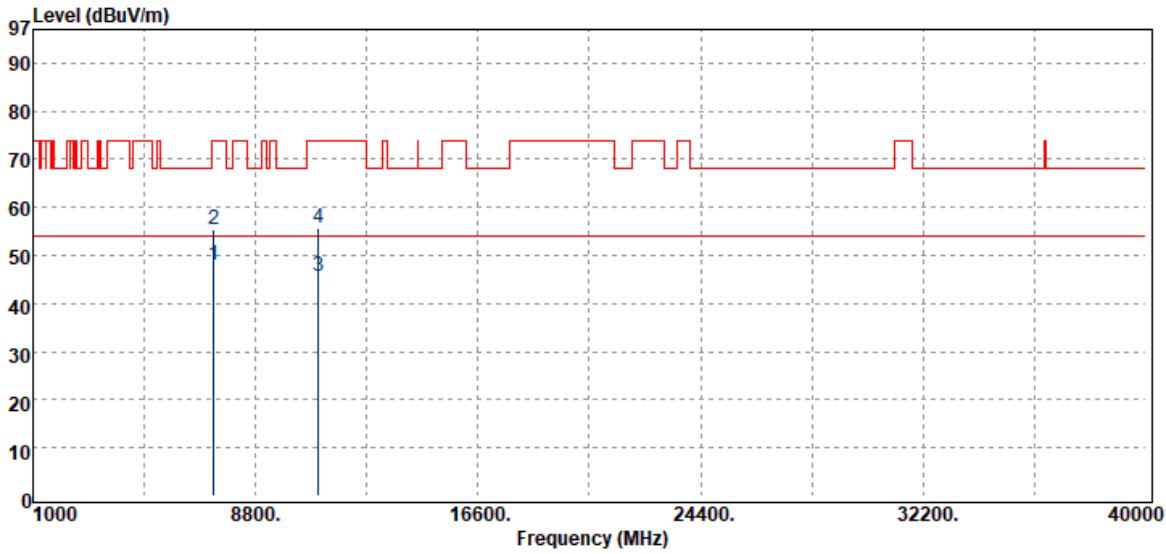
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7093.00	Peak	44.21	12.90	57.11	68.20	-11.09
10640.00	Average	25.66	19.49	45.15	54.00	-8.85
10640.00	Peak	37.29	19.49	56.78	74.00	-17.22

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5500 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7333.00	Average	33.57	14.33	47.90	54.00	-6.10
7333.00	Peak	41.21	14.33	55.54	74.00	-18.46
11000.00	Average	25.01	20.49	45.50	54.00	-8.50
11000.00	Peak	35.18	20.49	55.67	74.00	-18.33

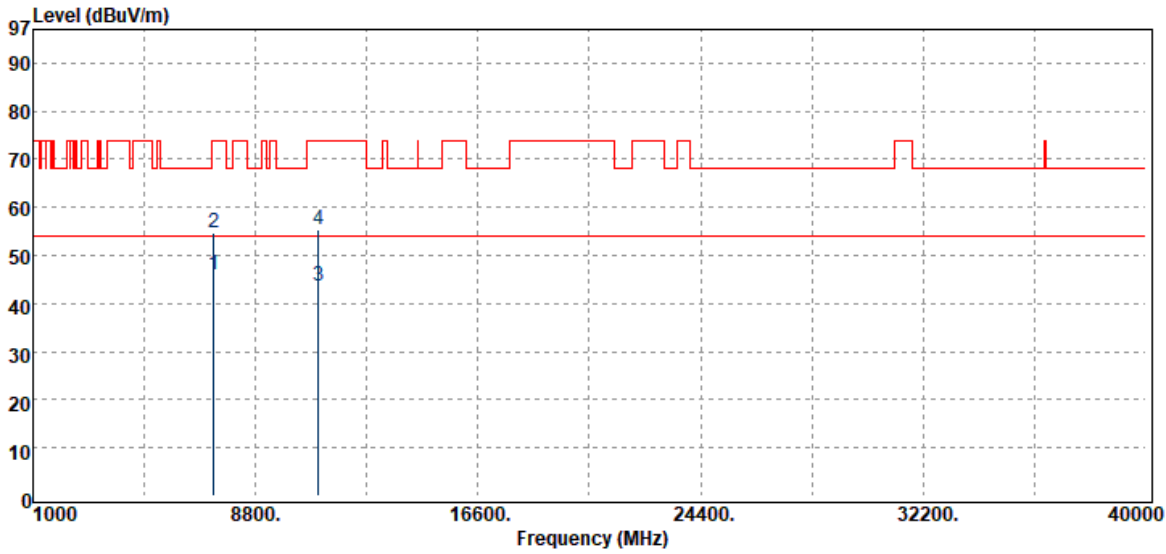
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5500 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



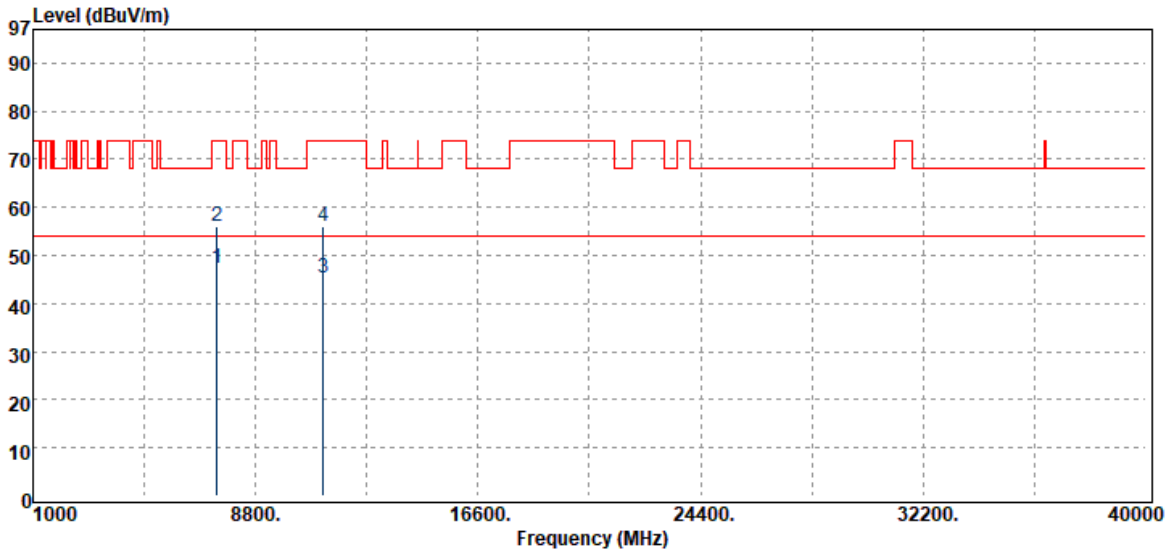
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7333.00	Average	31.71	14.33	46.04	54.00	-7.96
7333.00	Peak	40.43	14.33	54.76	74.00	-19.24
11000.00	Average	23.01	20.49	43.50	54.00	-10.50
11000.00	Peak	34.90	20.49	55.39	74.00	-18.61

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :VERTICAL  
Engineer :Thomas



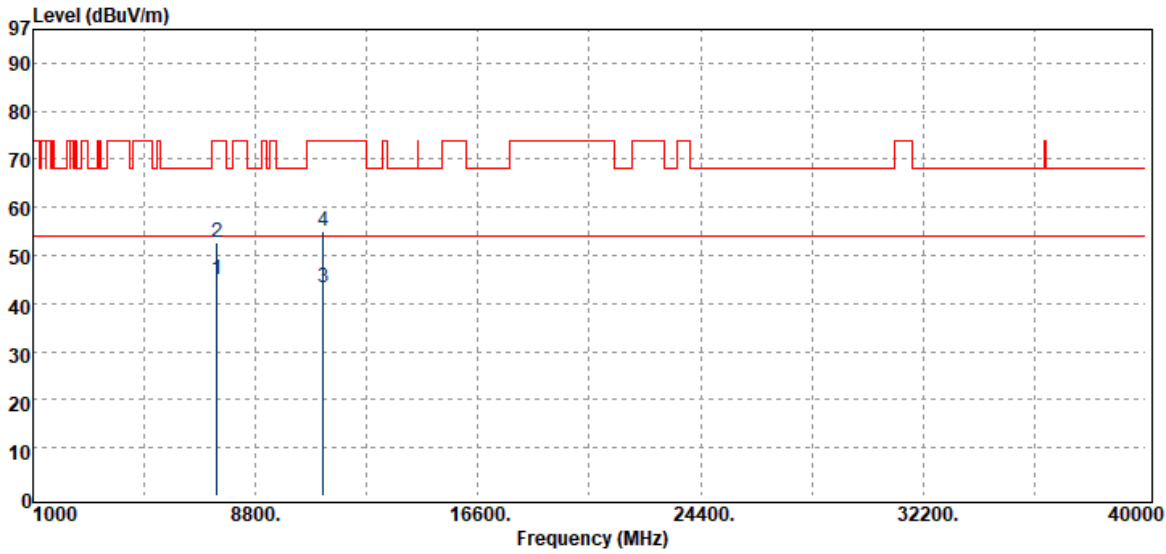
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7440.00	Average	33.30	14.11	47.41	54.00	-6.59
7440.00	Peak	42.00	14.11	56.11	74.00	-17.89
11160.00	Average	25.74	19.71	45.45	54.00	-8.55
11160.00	Peak	36.40	19.71	56.11	74.00	-17.89

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7440.00	Average	30.89	14.11	45.00	54.00	-9.00
7440.00	Peak	38.51	14.11	52.62	74.00	-21.38
11160.00	Average	23.58	19.71	43.29	54.00	-10.71
11160.00	Peak	35.30	19.71	55.01	74.00	-18.99

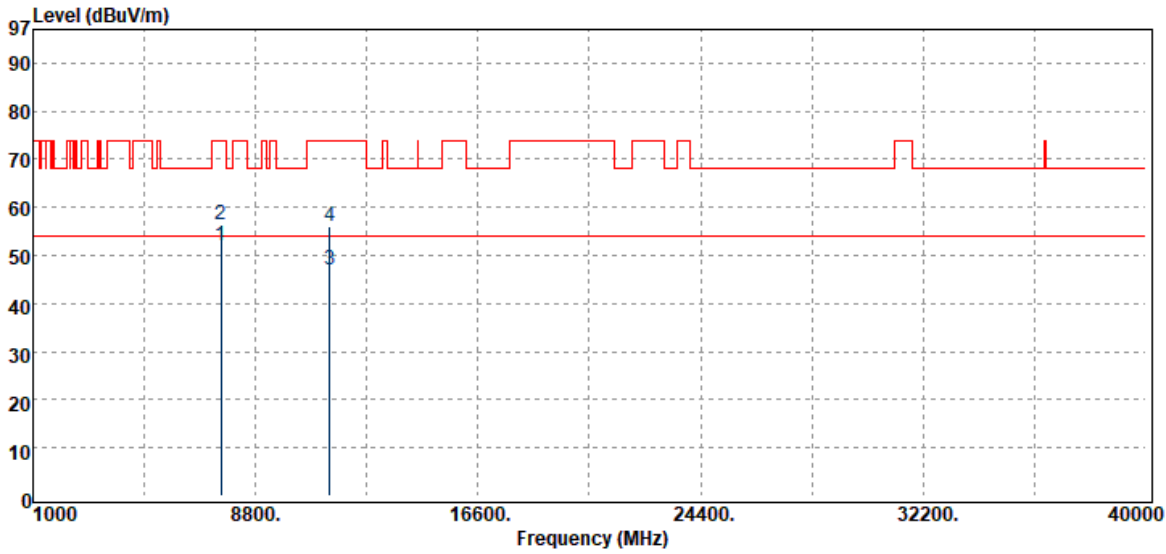
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5700 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



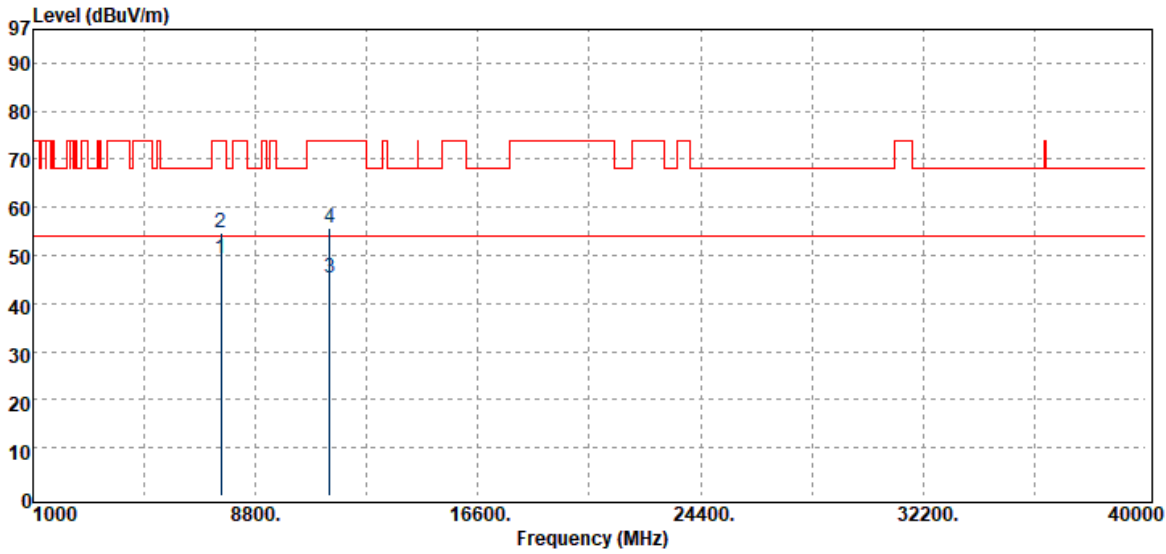
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7600.00	Average	39.21	12.69	51.90	54.00	-2.10
7600.00	Peak	43.60	12.69	56.29	74.00	-17.71
11400.00	Average	25.77	21.10	46.87	54.00	-7.13
11400.00	Peak	34.87	21.10	55.97	74.00	-18.03

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5700 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



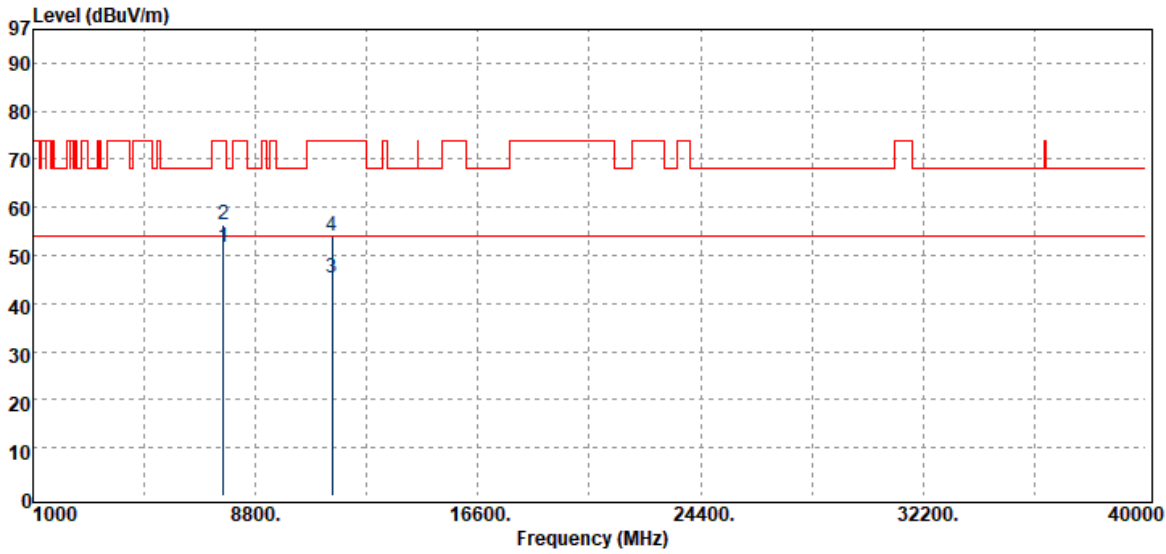
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7600.00	Average	36.58	12.69	49.27	54.00	-4.73
7600.00	Peak	42.15	12.69	54.84	74.00	-19.16
11400.00	Average	24.06	21.10	45.16	54.00	-8.84
11400.00	Peak	34.54	21.10	55.64	74.00	-18.36

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5745 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



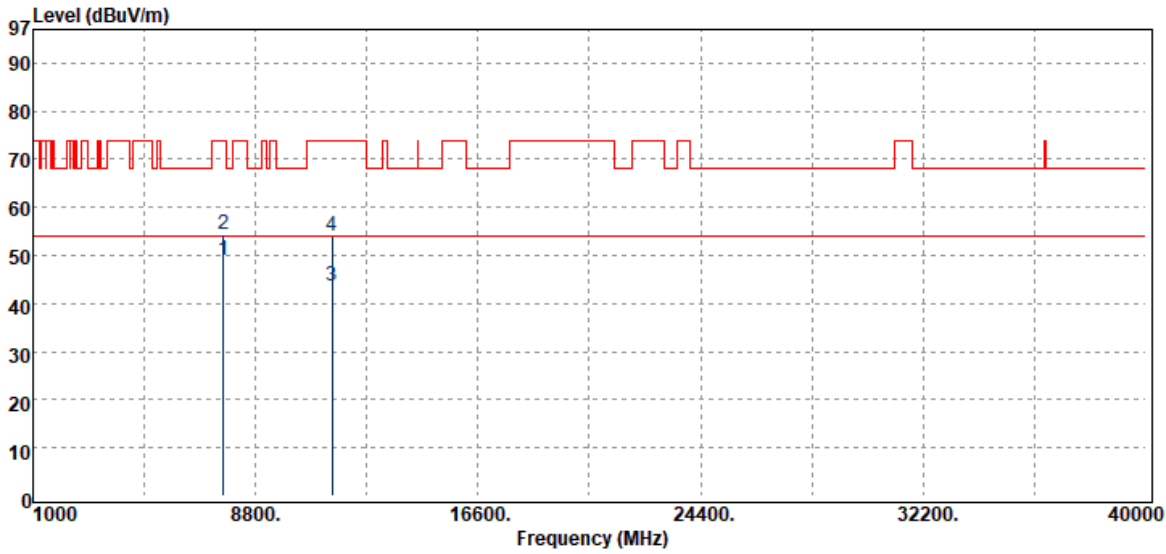
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7660.00	Average	37.97	13.64	51.61	54.00	-2.39
7660.00	Peak	42.60	13.64	56.24	74.00	-17.76
11490.00	Average	25.68	19.66	45.34	54.00	-8.66
11490.00	Peak	34.29	19.66	53.95	74.00	-20.05

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Report Number :ER/2019/B0067  
 Operation Mode :802.11a B4  
 Test Channel :5745 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-25  
 Temp./Humi. :22.8/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7660.00	Average	35.27	13.64	48.91	54.00	-5.09
7660.00	Peak	40.84	13.64	54.48	74.00	-19.52
11490.00	Average	23.96	19.66	43.62	54.00	-10.38
11490.00	Peak	34.48	19.66	54.14	74.00	-19.86

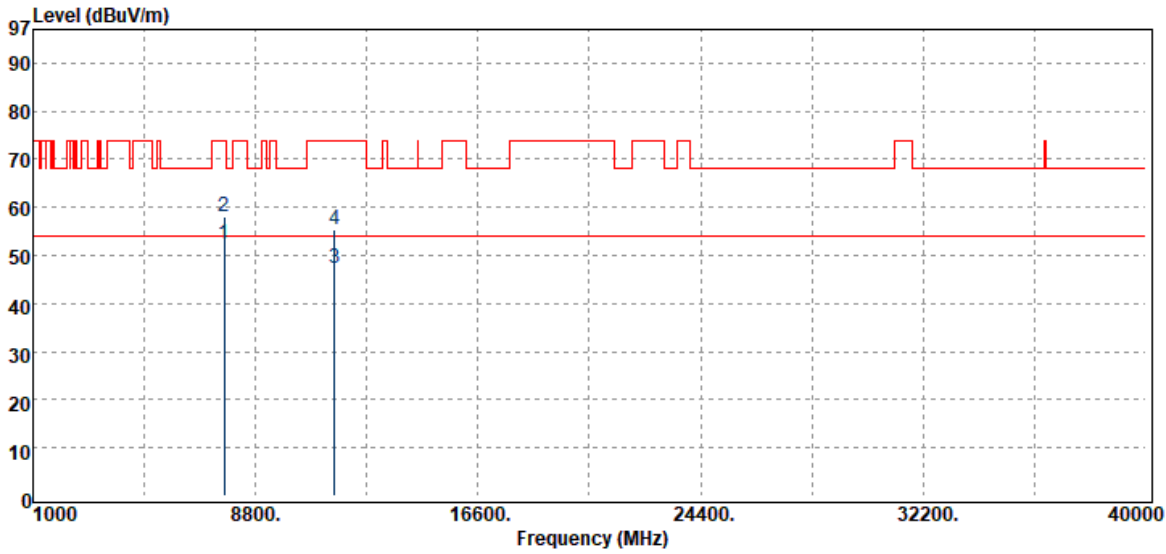
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



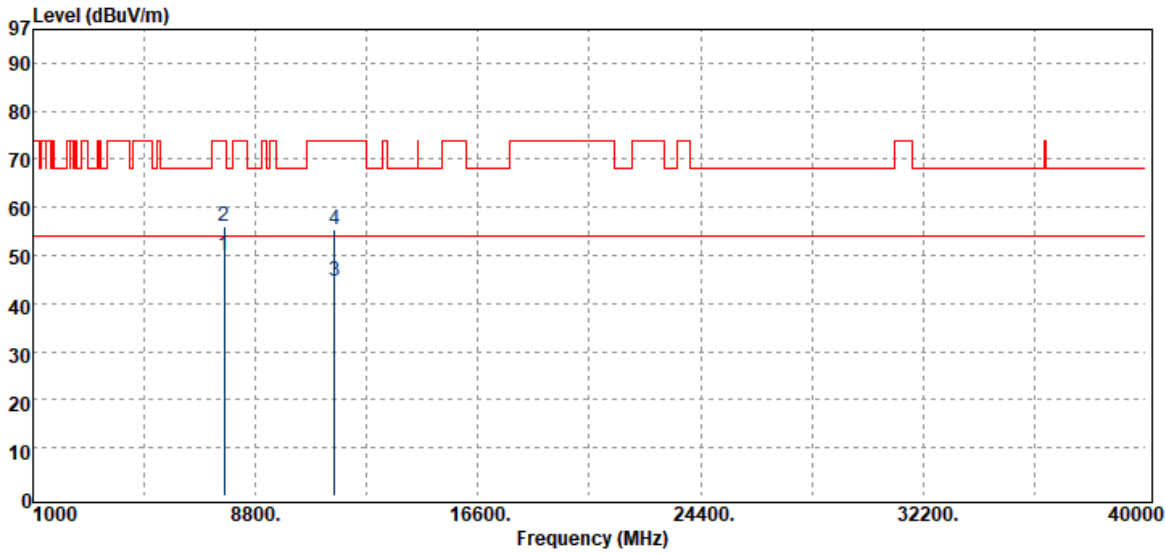
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7713.00	Average	38.20	14.11	52.31	54.00	-1.69
7713.00	Peak	44.12	14.11	58.23	74.00	-15.77
11570.00	Average	26.55	20.93	47.48	54.00	-6.52
11570.00	Peak	34.39	20.93	55.32	74.00	-18.68

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



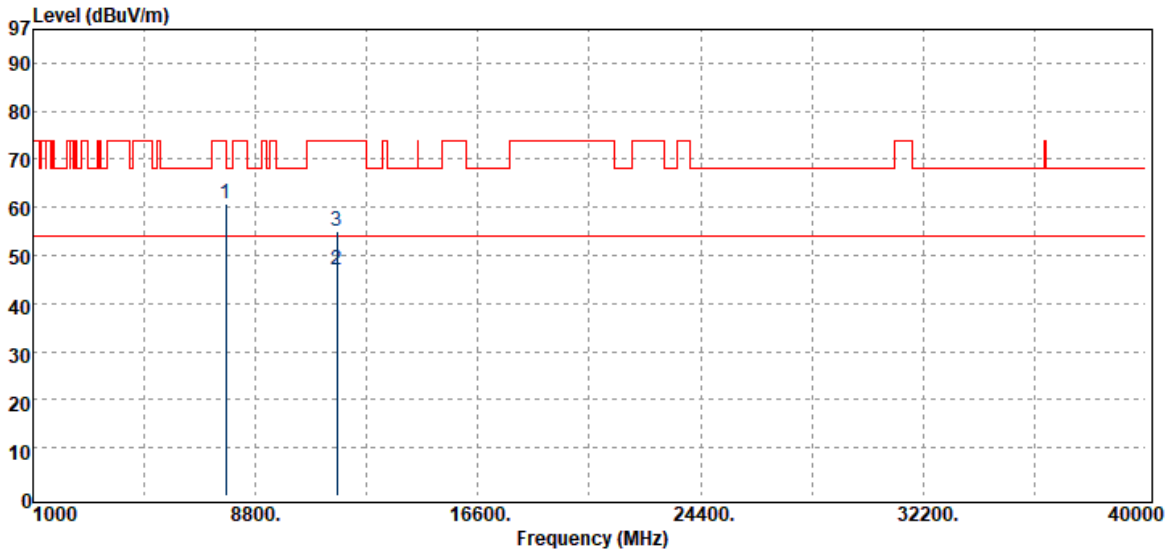
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7713.00	Average	35.79	14.11	49.90	54.00	-4.10
7713.00	Peak	41.83	14.11	55.94	74.00	-18.06
11570.00	Average	23.62	20.93	44.55	54.00	-9.45
11570.00	Peak	34.46	20.93	55.39	74.00	-18.61

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5825 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



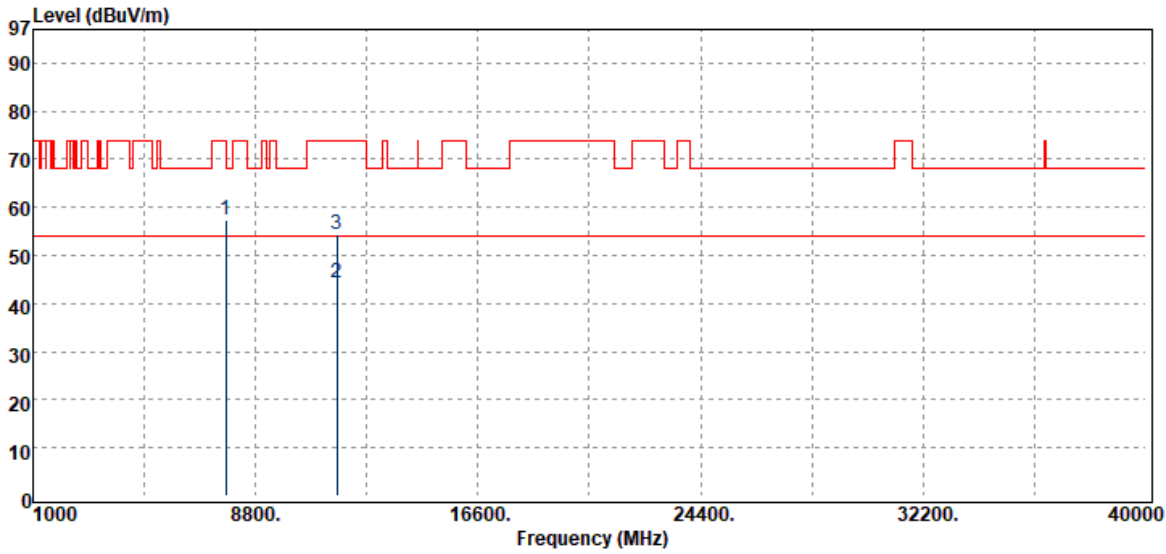
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7767.00	Peak	47.65	13.17	60.82	68.20	-7.38
11650.00	Average	26.83	20.07	46.90	54.00	-7.10
11650.00	Peak	34.83	20.07	54.90	74.00	-19.10

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5825 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7767.00	Peak	44.16	13.17	57.33	68.20	-10.87
11650.00	Average	24.08	20.07	44.15	54.00	-9.85
11650.00	Peak	34.44	20.07	54.51	74.00	-19.49

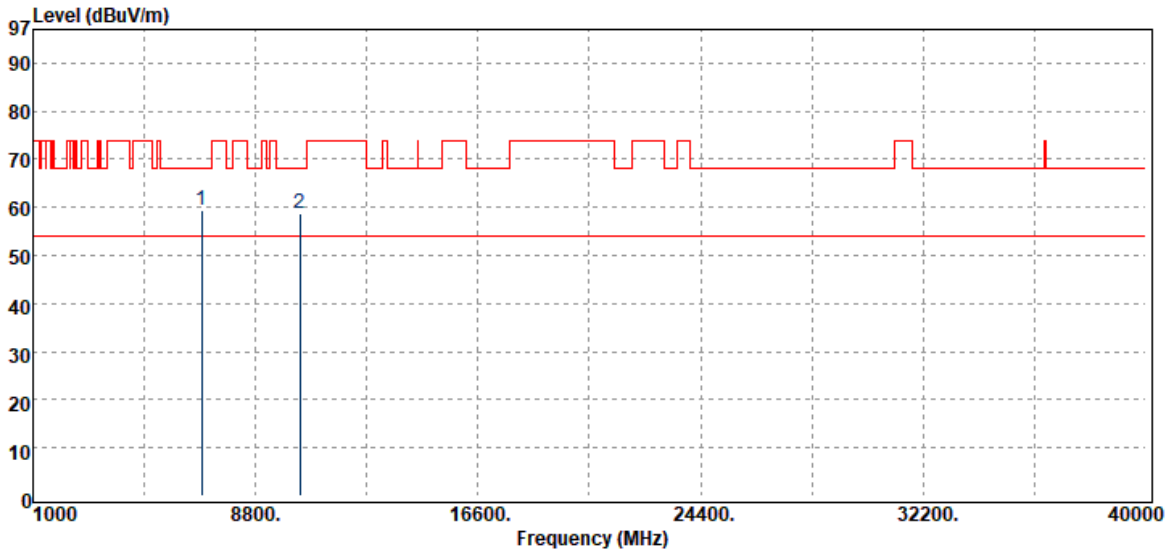
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B1  
Test Channel :5180 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



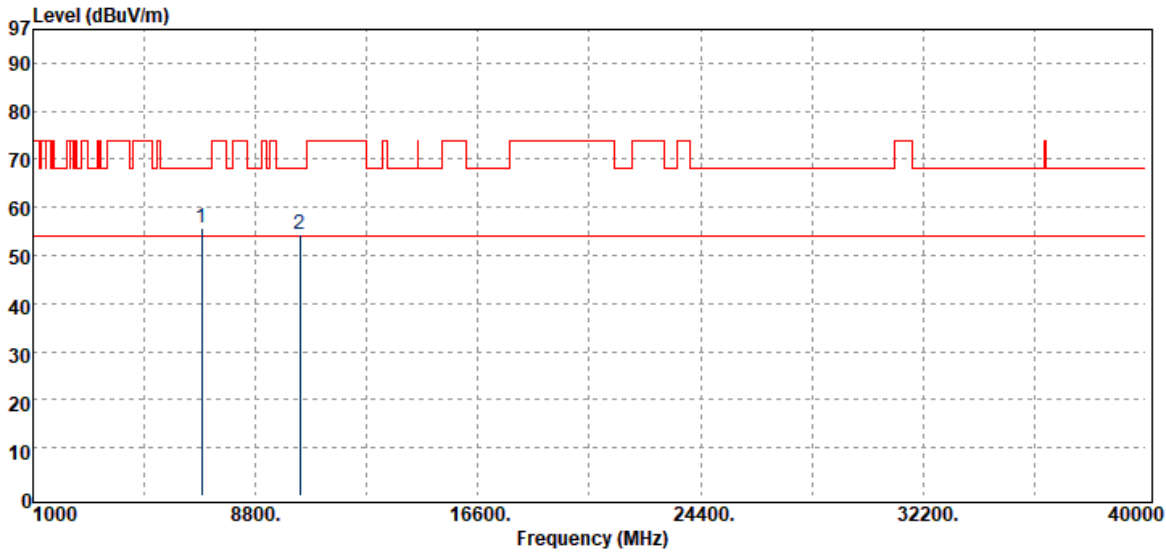
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6907.00	Peak	47.16	12.11	59.27	68.20	-8.93
10360.00	Peak	40.08	18.72	58.80	68.20	-9.40

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B1  
Test Channel :5180 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



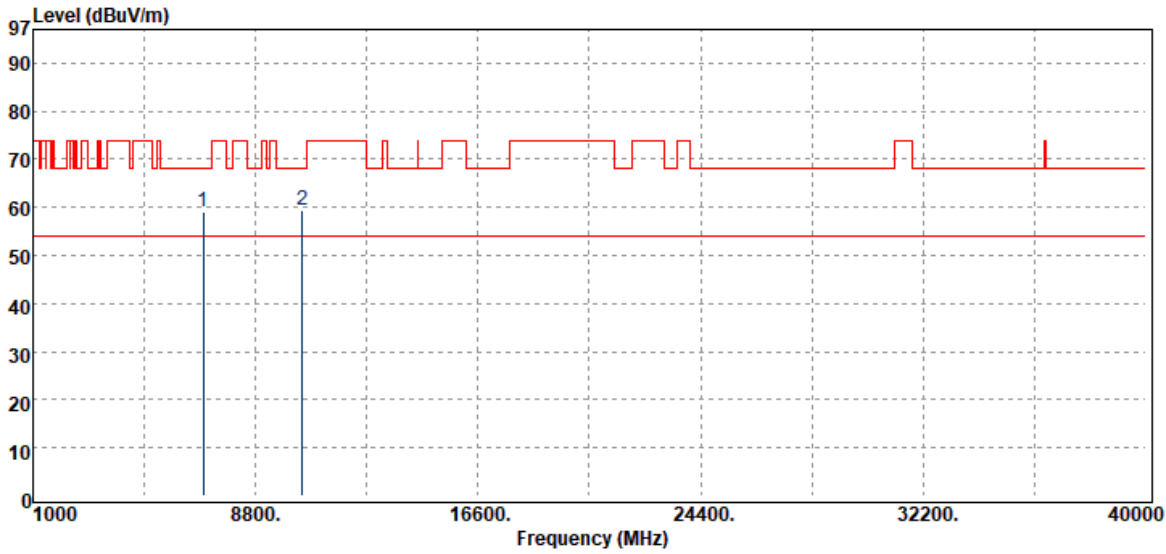
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6907.00	Peak	43.48	12.11	55.59	68.20	-12.61
10360.00	Peak	35.49	18.72	54.21	68.20	-13.99

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



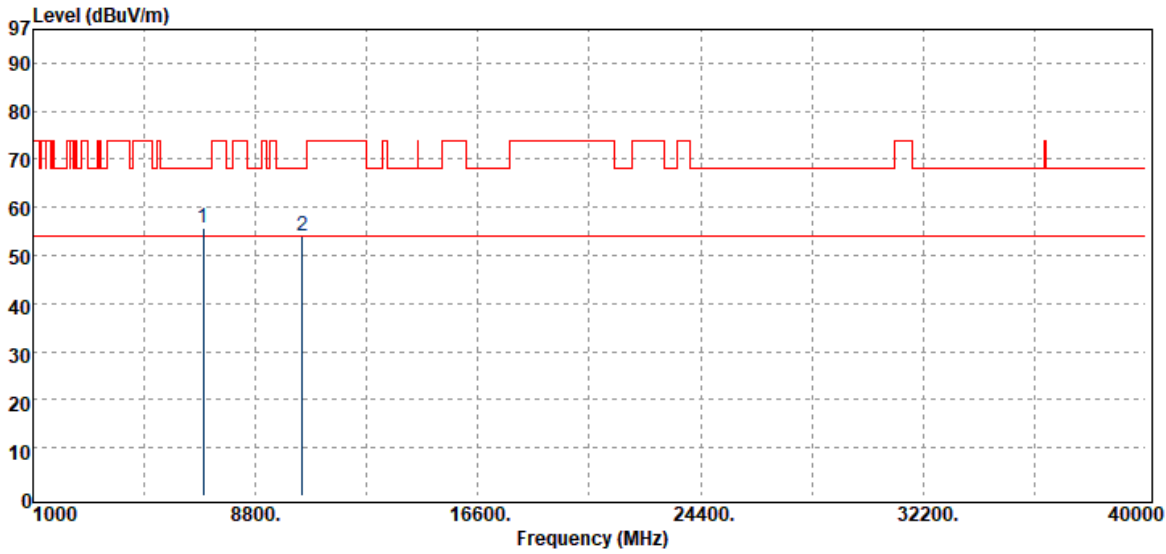
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6960.00	Peak	47.57	11.47	59.04	68.20	-9.16
10440.00	Peak	40.80	18.53	59.33	68.20	-8.87

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



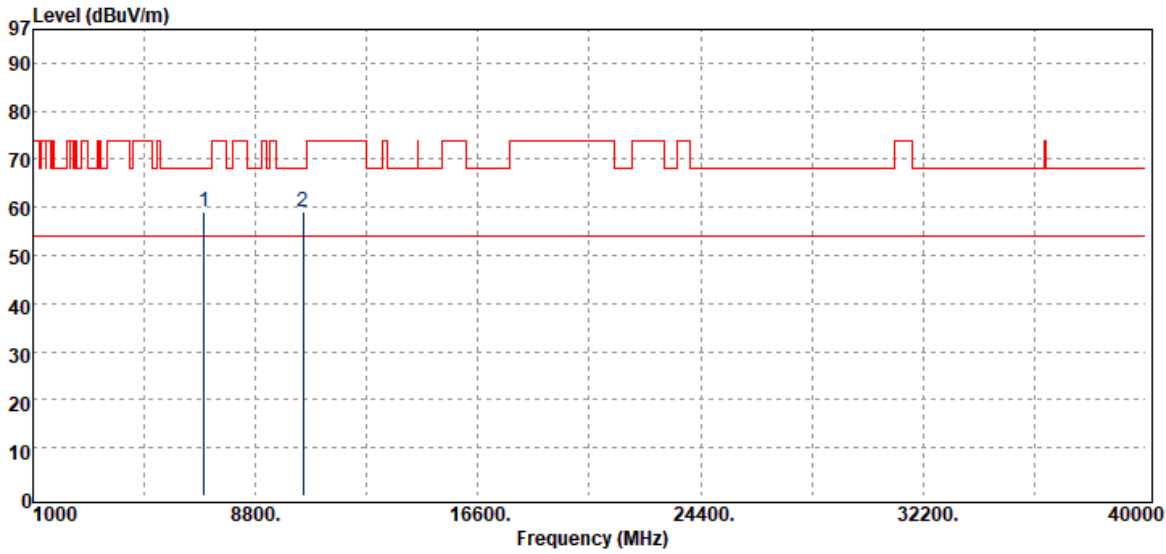
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6960.00	Peak	44.20	11.47	55.67	68.20	-12.53
10440.00	Peak	35.51	18.53	54.04	68.20	-14.16

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B1  
Test Channel :5240 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



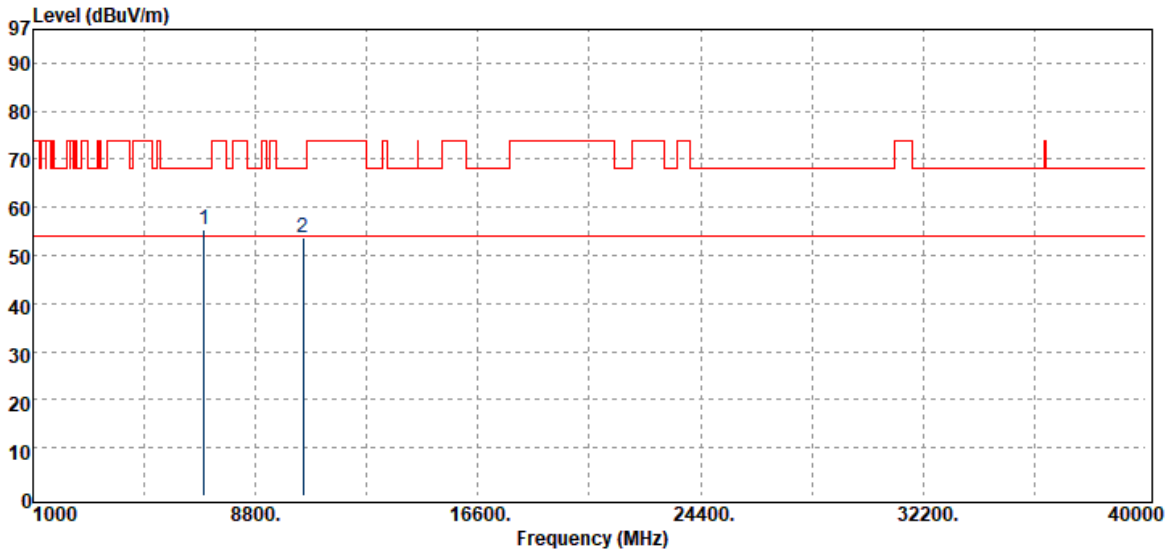
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6987.00	Peak	47.83	11.16	58.99	68.20	-9.21
10480.00	Peak	41.19	17.83	59.02	68.20	-9.18

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20 B1  
 Test Channel :5240 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-25  
 Temp./Humi. :22.8/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6987.00	Peak	44.19	11.16	55.35	68.20	-12.85
10480.00	Peak	35.93	17.83	53.76	68.20	-14.44

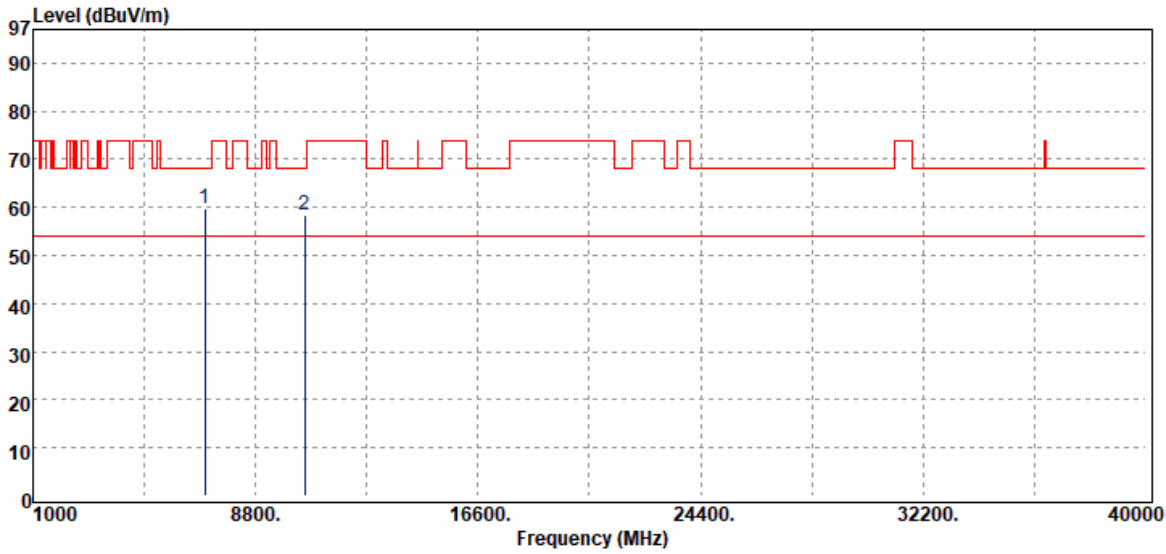
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B2  
Test Channel :5260 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



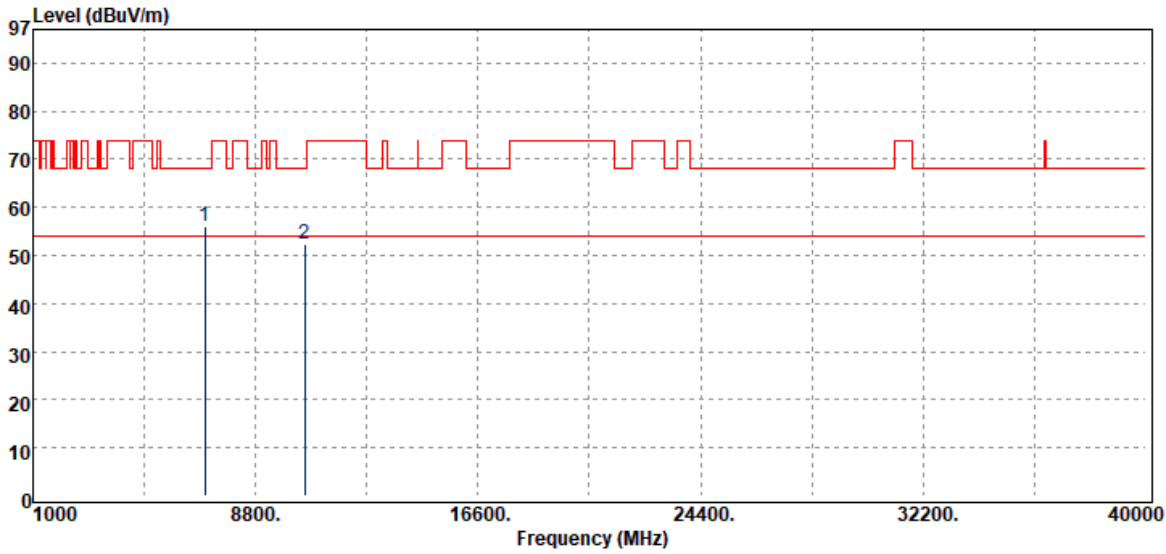
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7013.00	Peak	48.49	11.23	59.72	68.20	-8.48
10520.00	Peak	40.19	18.05	58.24	68.20	-9.96

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B2  
Test Channel :5260 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7013.00	Peak	44.94	11.23	56.17	68.20	-12.03
10520.00	Peak	34.21	18.05	52.26	68.20	-15.94

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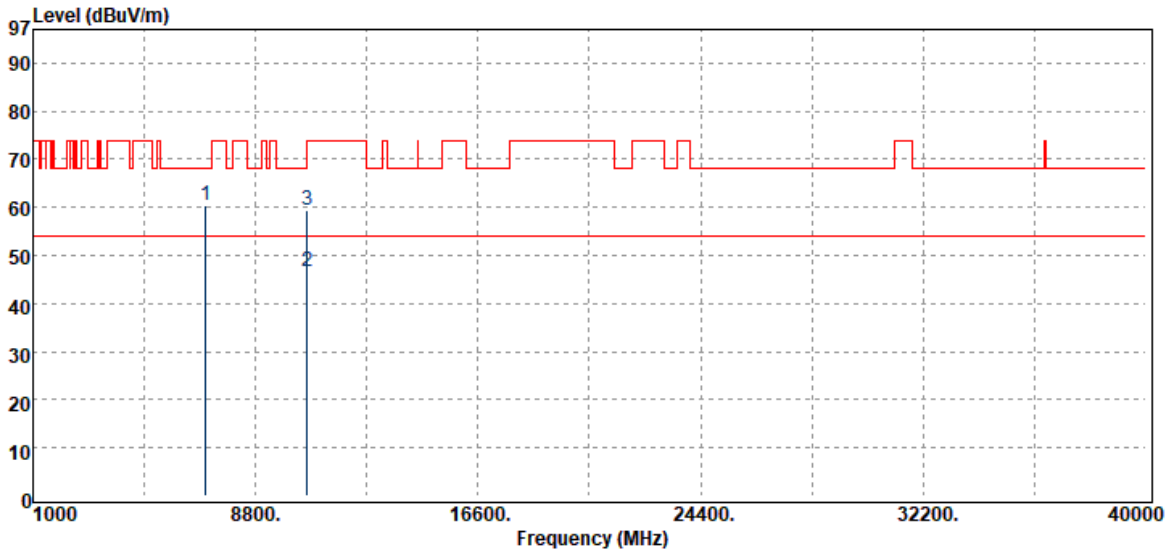
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



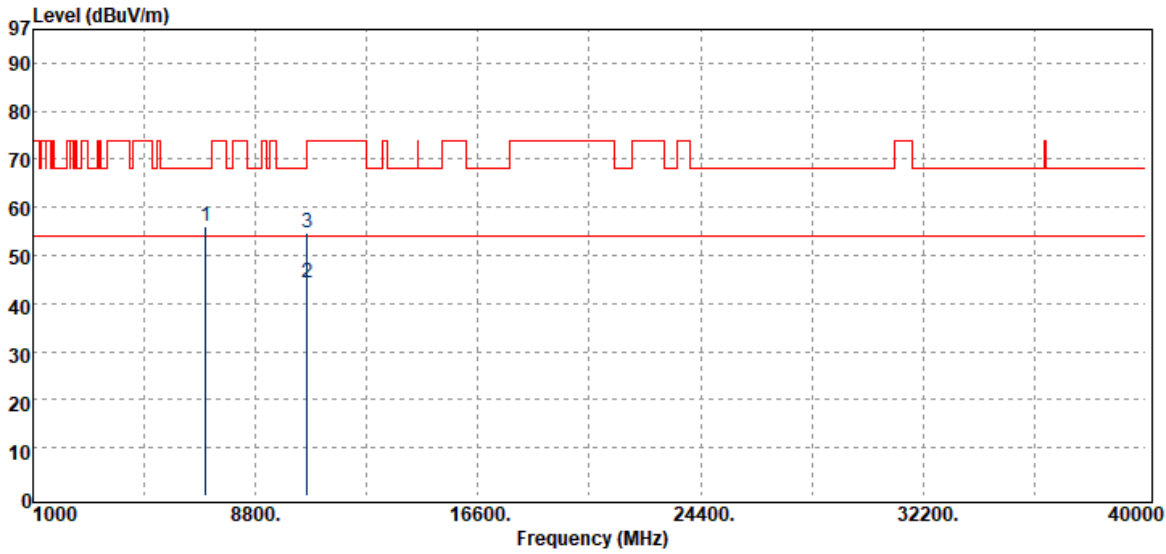
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7067.00	Peak	48.38	12.08	60.46	68.20	-7.74
10600.00	Average	27.33	19.18	46.51	54.00	-7.49
10600.00	Peak	40.15	19.18	59.33	74.00	-14.67

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20 B2  
 Test Channel :5300 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Date :2019-12-25  
 Temp./Humi. :22.8/66  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7067.00	Peak	43.95	12.08	56.03	68.20	-12.17
10600.00	Average	25.19	19.18	44.37	54.00	-9.63
10600.00	Peak	35.60	19.18	54.78	74.00	-19.22

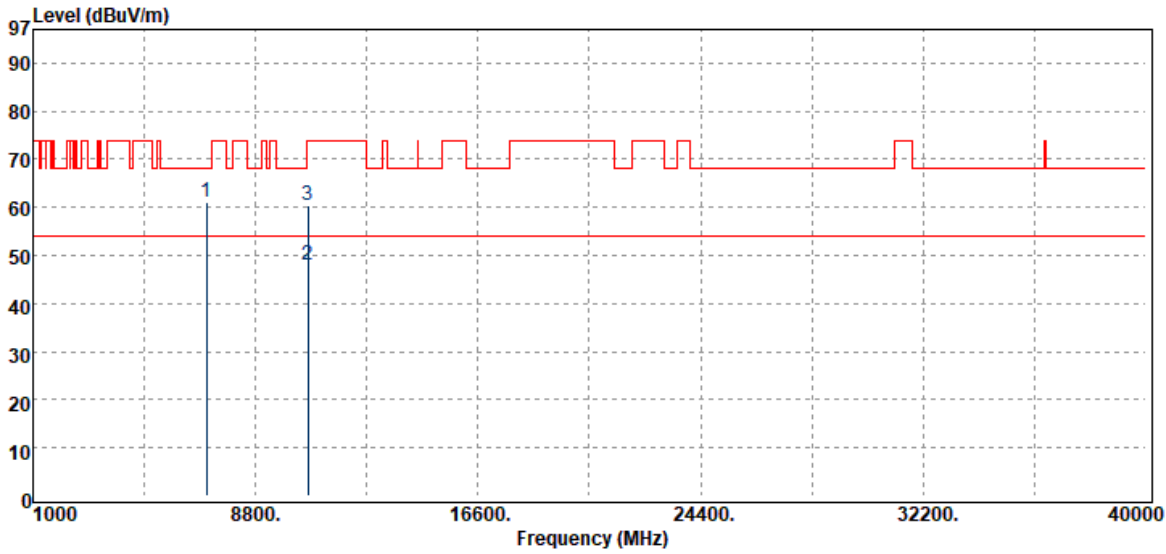
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B2  
Test Channel :5320 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :VERTICAL  
Engineer :Thomas



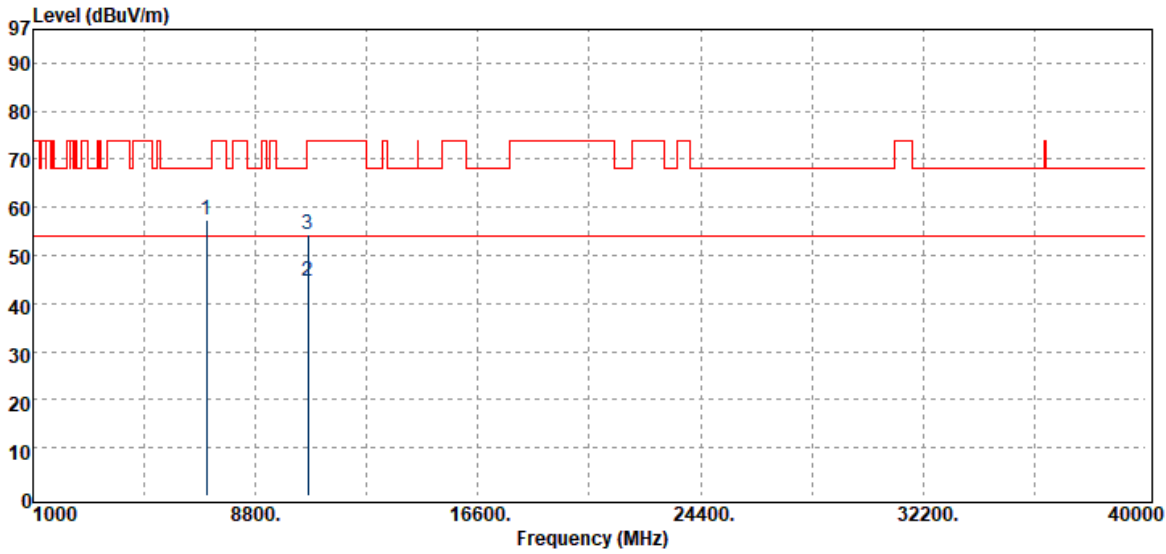
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7093.00	Peak	48.15	12.90	61.05	68.20	-7.15
10640.00	Average	28.55	19.49	48.04	54.00	-5.96
10640.00	Peak	40.88	19.49	60.37	74.00	-13.63

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B2  
Test Channel :5320 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



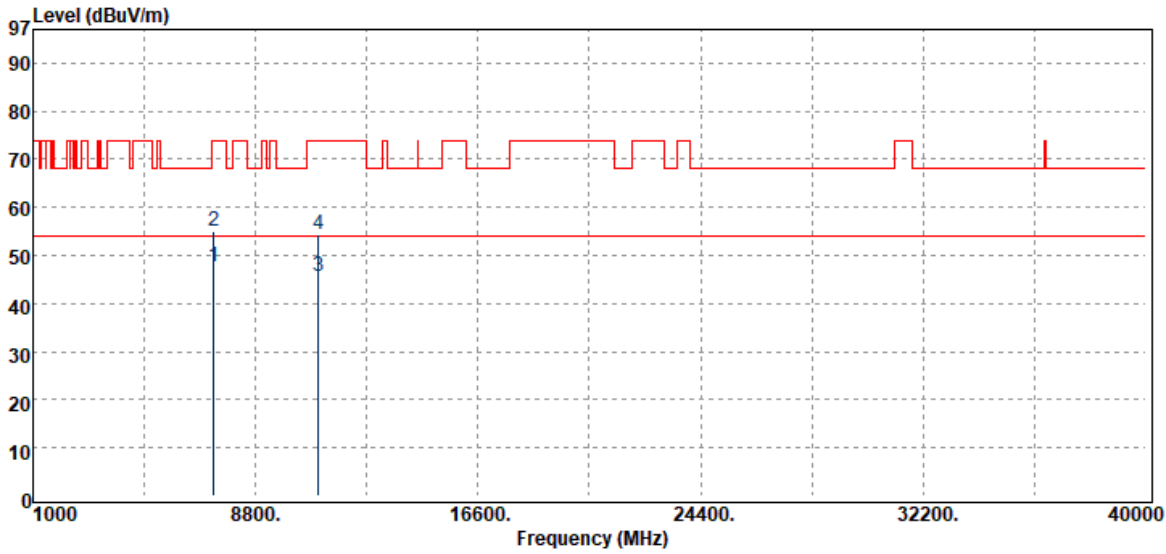
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7093.00	Peak	44.42	12.90	57.32	68.20	-10.88
10640.00	Average	25.24	19.49	44.73	54.00	-9.27
10640.00	Peak	34.87	19.49	54.36	74.00	-19.64

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5500 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7333.00	Average	33.39	14.33	47.72	54.00	-6.28
7333.00	Peak	40.57	14.33	54.90	74.00	-19.10
11000.00	Average	25.01	20.49	45.50	54.00	-8.50
11000.00	Peak	34.05	20.49	54.54	74.00	-19.46

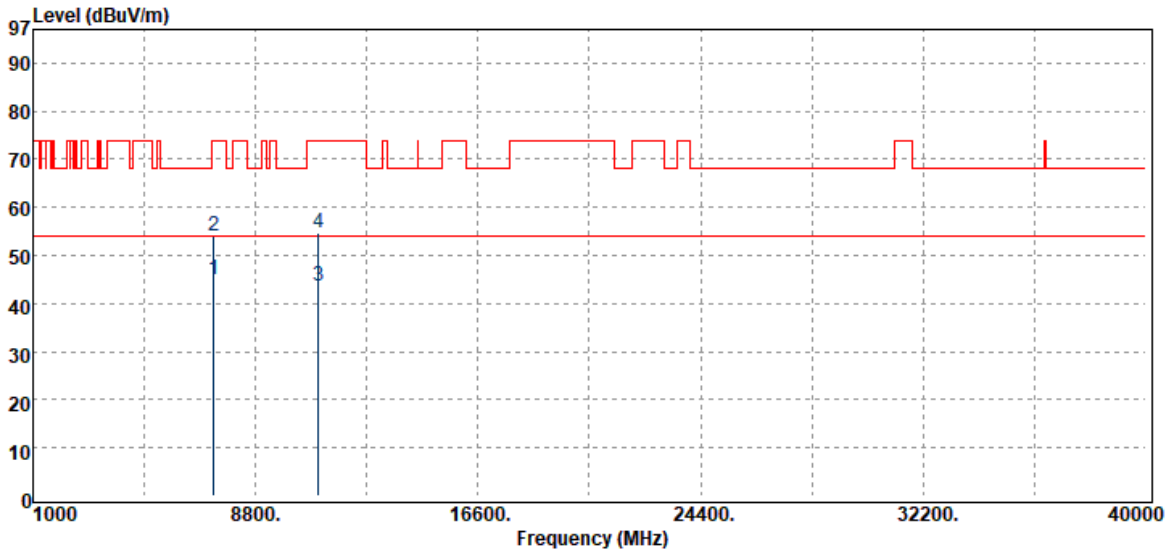
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5500 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



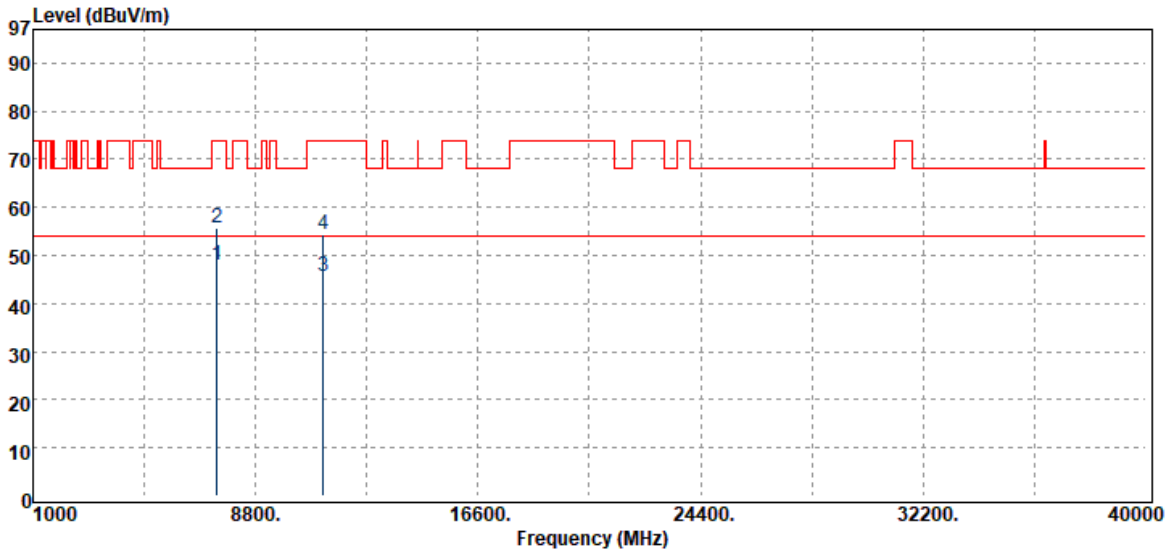
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7333.00	Average	30.67	14.33	45.00	54.00	-9.00
7333.00	Peak	39.78	14.33	54.11	74.00	-19.89
11000.00	Average	23.29	20.49	43.78	54.00	-10.22
11000.00	Peak	34.35	20.49	54.84	74.00	-19.16

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :VERTICAL  
Engineer :Thomas



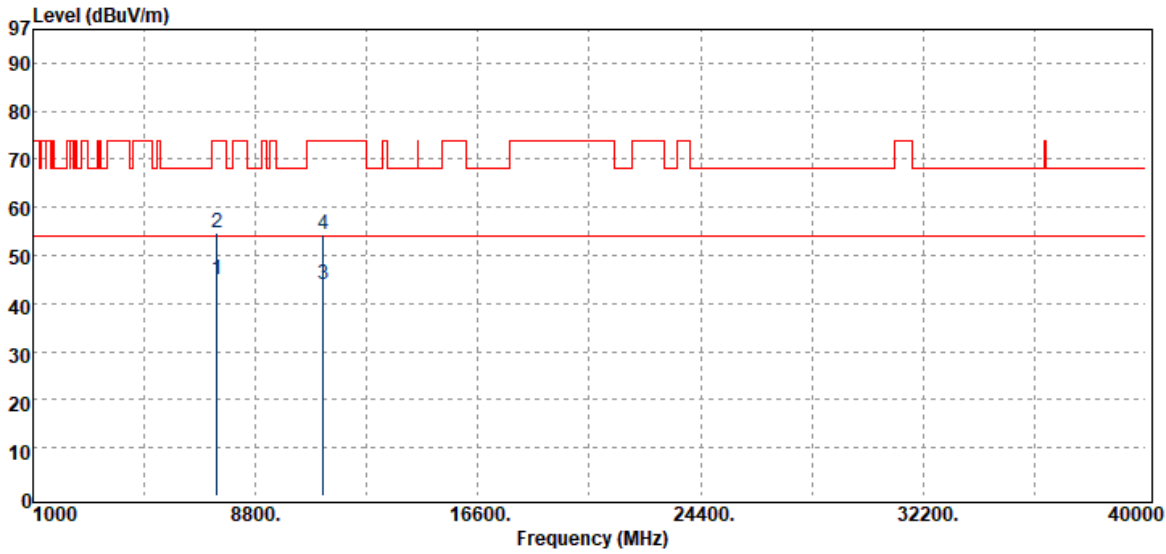
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7440.00	Average	34.00	14.11	48.11	54.00	-5.89
7440.00	Peak	41.71	14.11	55.82	74.00	-18.18
11160.00	Average	25.88	19.71	45.59	54.00	-8.41
11160.00	Peak	34.62	19.71	54.33	74.00	-19.67

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7440.00	Average	30.88	14.11	44.99	54.00	-9.01
7440.00	Peak	40.55	14.11	54.66	74.00	-19.34
11160.00	Average	24.28	19.71	43.99	54.00	-10.01
11160.00	Peak	34.83	19.71	54.54	74.00	-19.46

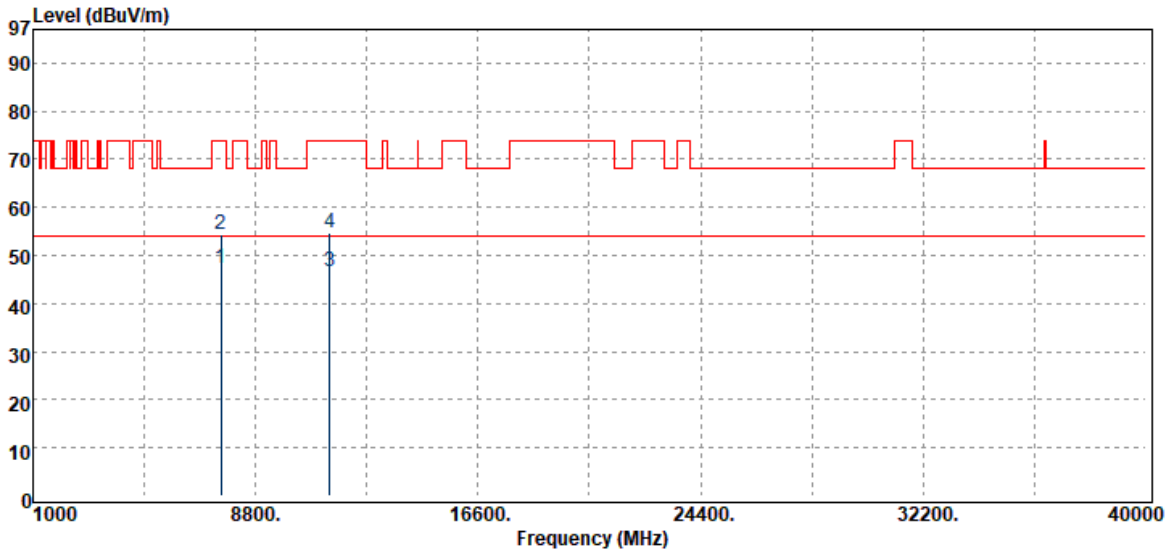
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5700 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



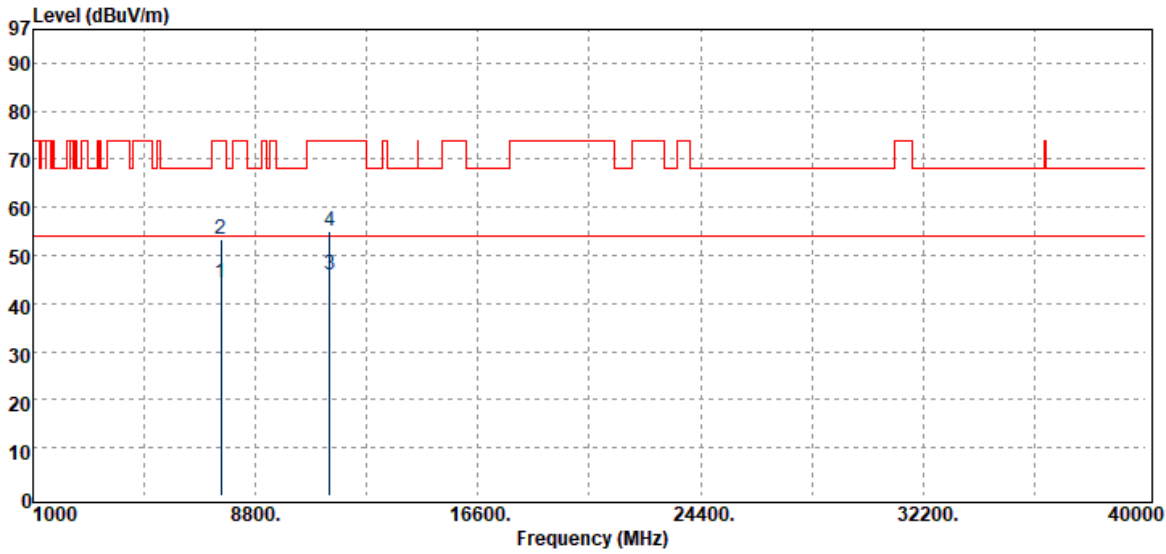
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7600.00	Average	34.51	12.69	47.20	54.00	-6.80
7600.00	Peak	41.66	12.69	54.35	74.00	-19.65
11400.00	Average	25.51	21.10	46.61	54.00	-7.39
11400.00	Peak	33.49	21.10	54.59	74.00	-19.41

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5700 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



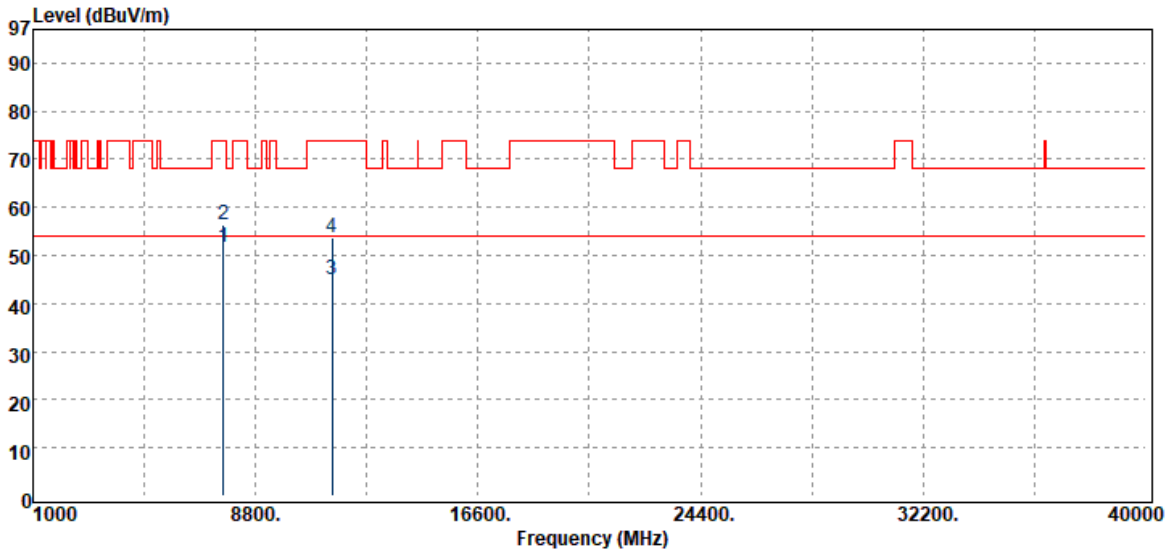
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7600.00	Average	31.69	12.69	44.38	54.00	-9.62
7600.00	Peak	40.58	12.69	53.27	74.00	-20.73
11400.00	Average	24.77	21.10	45.87	54.00	-8.13
11400.00	Peak	33.90	21.10	55.00	74.00	-19.00

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5745 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



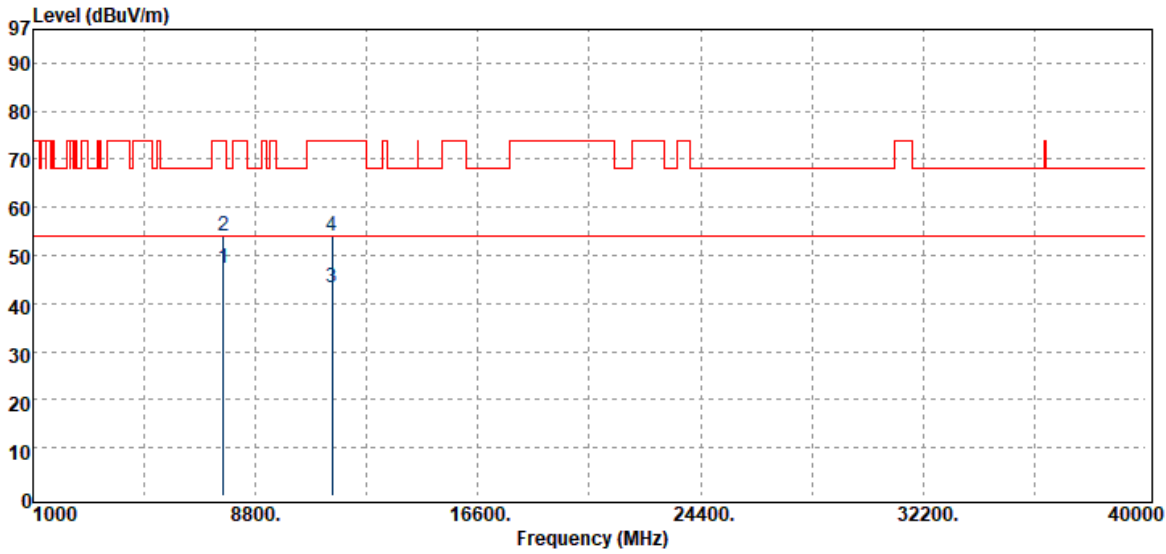
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7660.00	Average	38.05	13.64	51.69	54.00	-2.31
7660.00	Peak	42.86	13.64	56.50	74.00	-17.50
11490.00	Average	25.27	19.66	44.93	54.00	-9.07
11490.00	Peak	34.06	19.66	53.72	74.00	-20.28

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5745 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



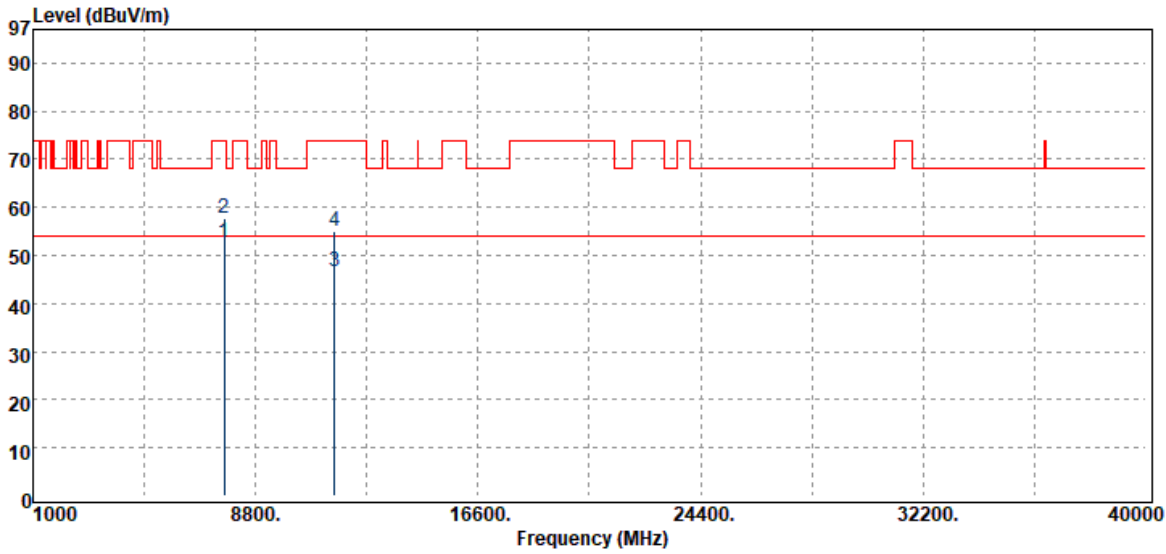
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7660.00	Average	33.78	13.64	47.42	54.00	-6.58
7660.00	Peak	40.55	13.64	54.19	74.00	-19.81
11490.00	Average	23.75	19.66	43.41	54.00	-10.59
11490.00	Peak	34.39	19.66	54.05	74.00	-19.95

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7713.00	Average	38.45	14.11	52.56	54.00	-1.44
7713.00	Peak	43.67	14.11	57.78	74.00	-16.22
11570.00	Average	25.69	20.93	46.62	54.00	-7.38
11570.00	Peak	34.22	20.93	55.15	74.00	-18.85

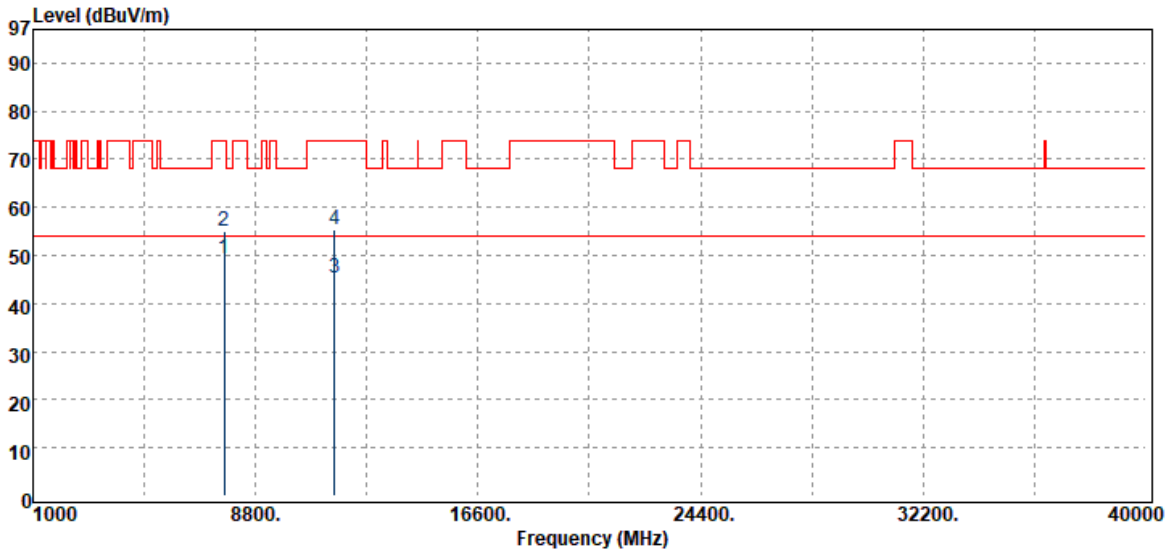
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



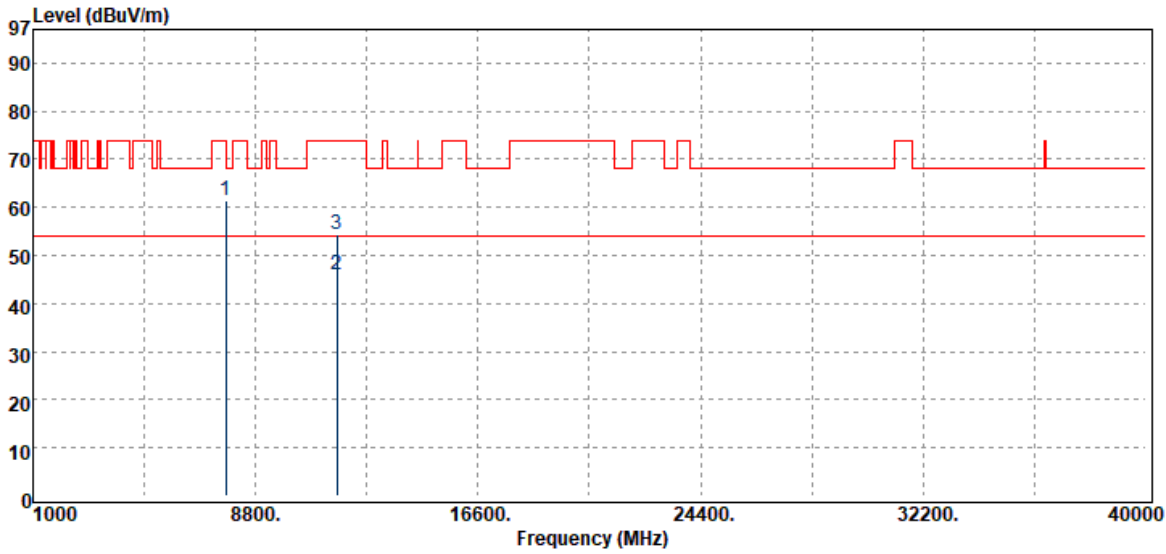
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7713.00	Average	35.31	14.11	49.42	54.00	-4.58
7713.00	Peak	40.95	14.11	55.06	74.00	-18.94
11570.00	Average	24.28	20.93	45.21	54.00	-8.79
11570.00	Peak	34.43	20.93	55.36	74.00	-18.64

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5825 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



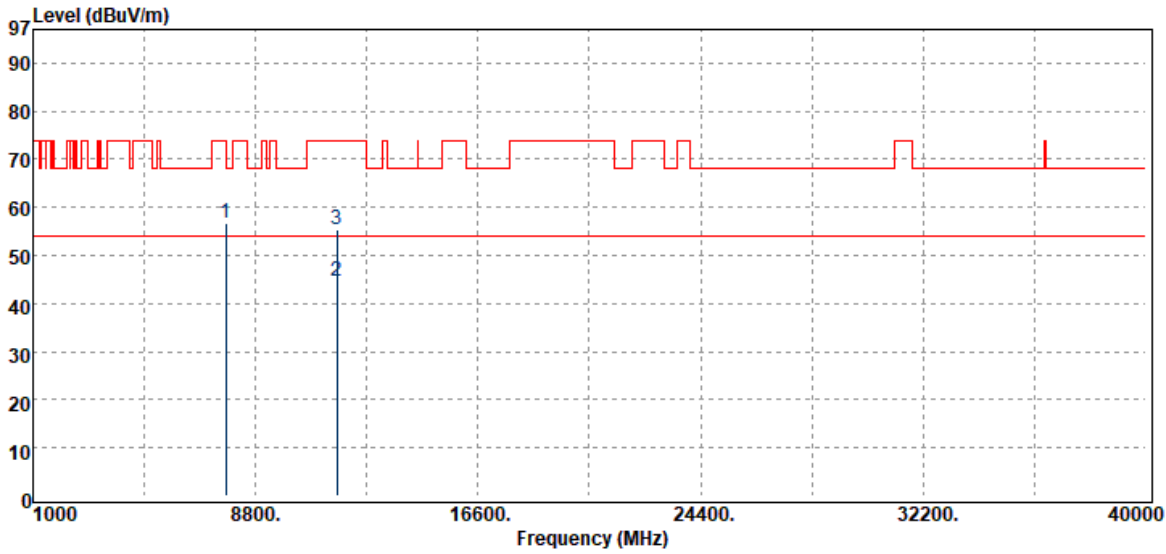
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7767.00	Peak	48.35	13.17	61.52	68.20	-6.68
11650.00	Average	25.88	20.07	45.95	54.00	-8.05
11650.00	Peak	34.40	20.07	54.47	74.00	-19.53

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5825 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7767.00	Peak	43.67	13.17	56.84	68.20	-11.36
11650.00	Average	24.47	20.07	44.54	54.00	-9.46
11650.00	Peak	35.28	20.07	55.35	74.00	-18.65

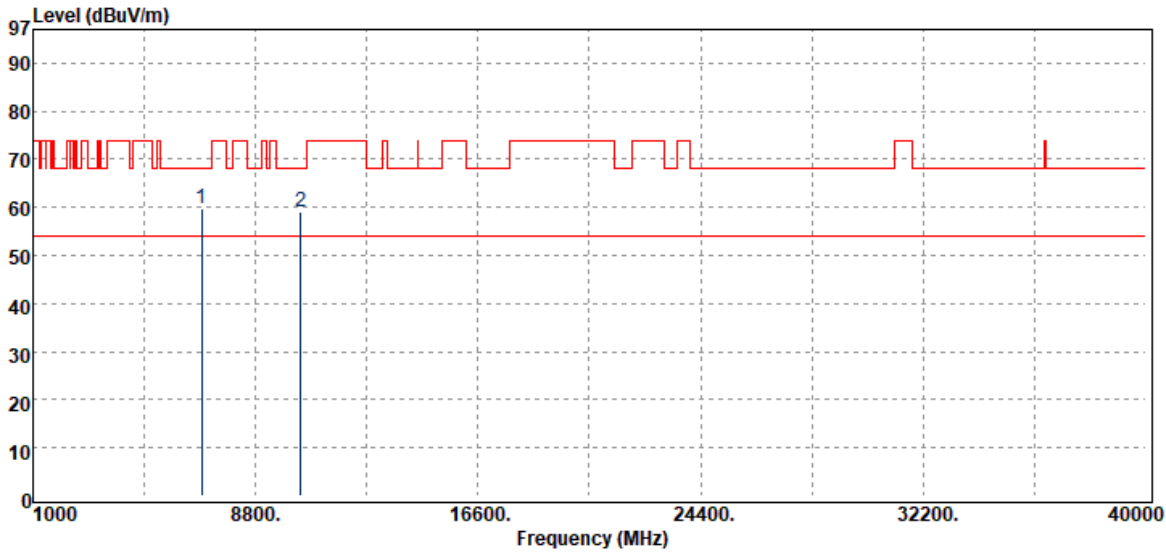
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B1  
Test Channel :5190 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6920.00	Peak	47.83	11.91	59.74	68.20	-8.46
10380.00	Peak	40.16	19.00	59.16	68.20	-9.04

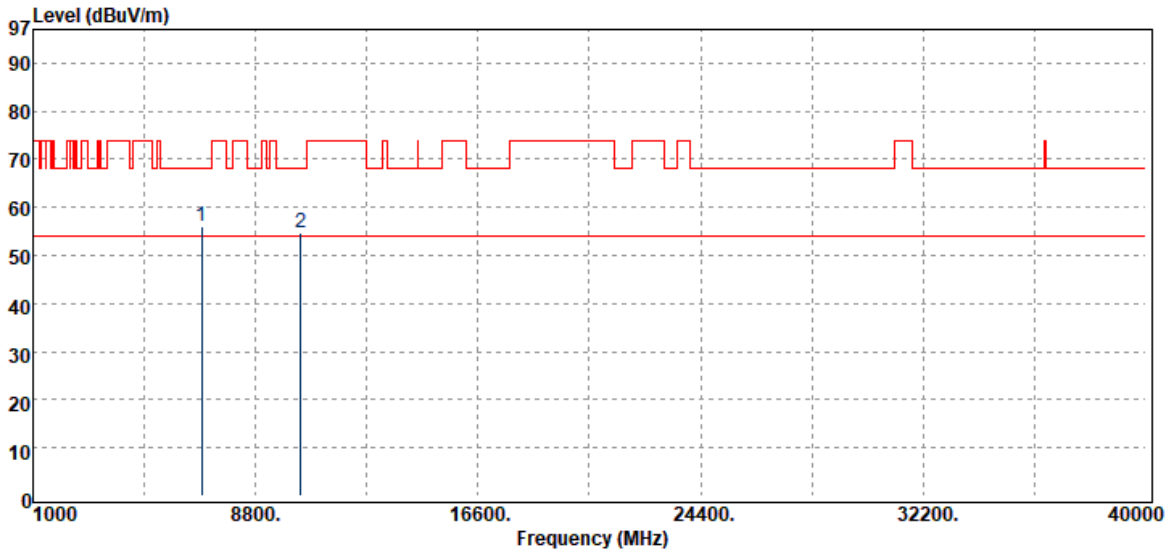
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B1  
Test Channel :5190 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



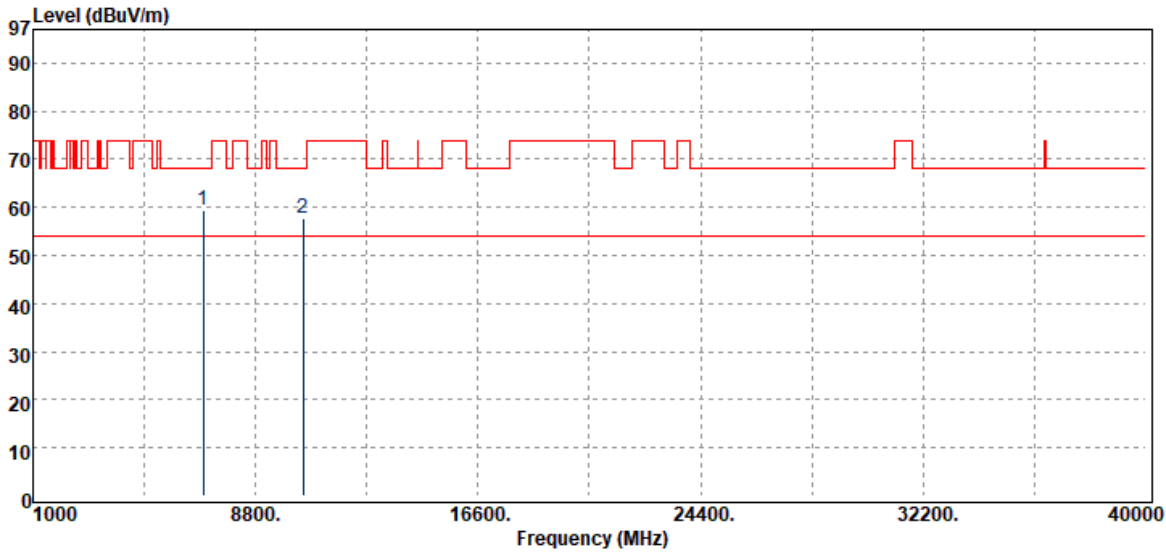
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6920.00	Peak	44.30	11.91	56.21	68.20	-11.99
10380.00	Peak	35.79	19.00	54.79	68.20	-13.41

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B1  
Test Channel :5230 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



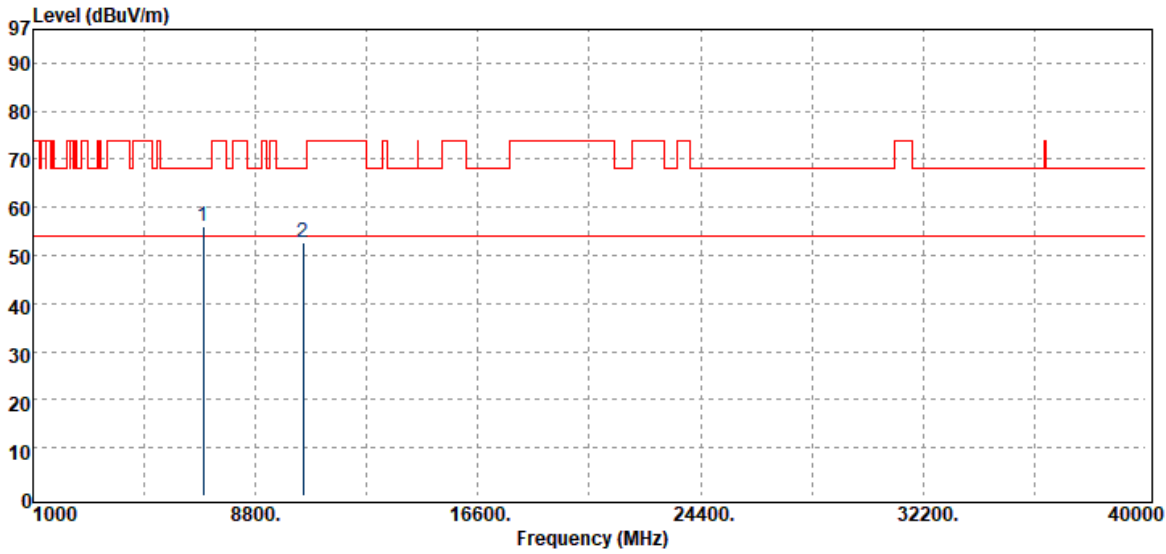
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6973.00	Peak	48.12	11.32	59.44	68.20	-8.76
10460.00	Peak	39.69	18.11	57.80	68.20	-10.40

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B1  
Test Channel :5230 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



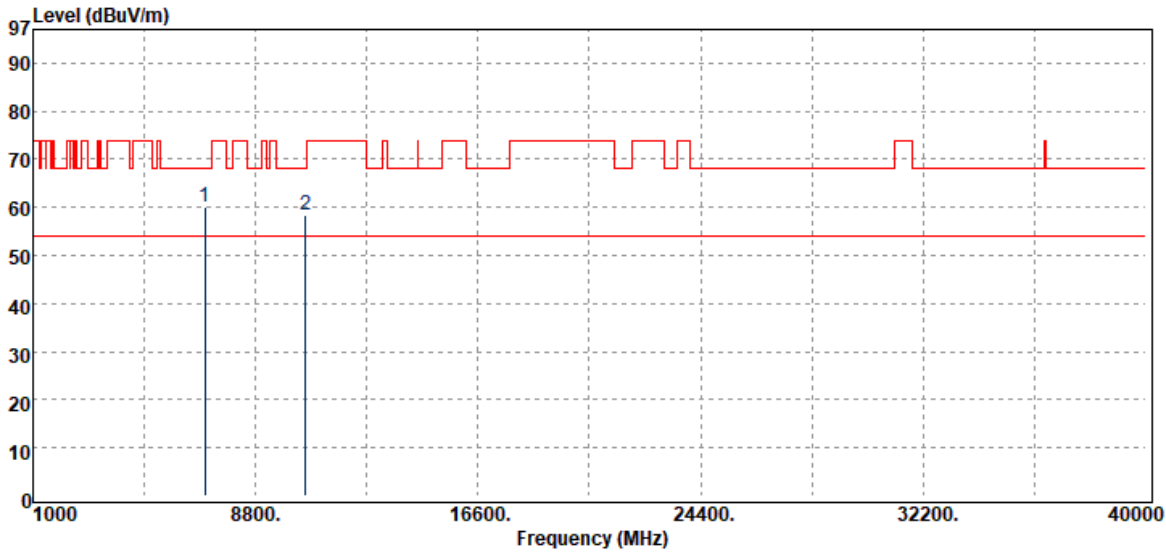
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6973.00	Peak	44.68	11.32	56.00	68.20	-12.20
10460.00	Peak	34.60	18.11	52.71	68.20	-15.49

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B2  
Test Channel :5270 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



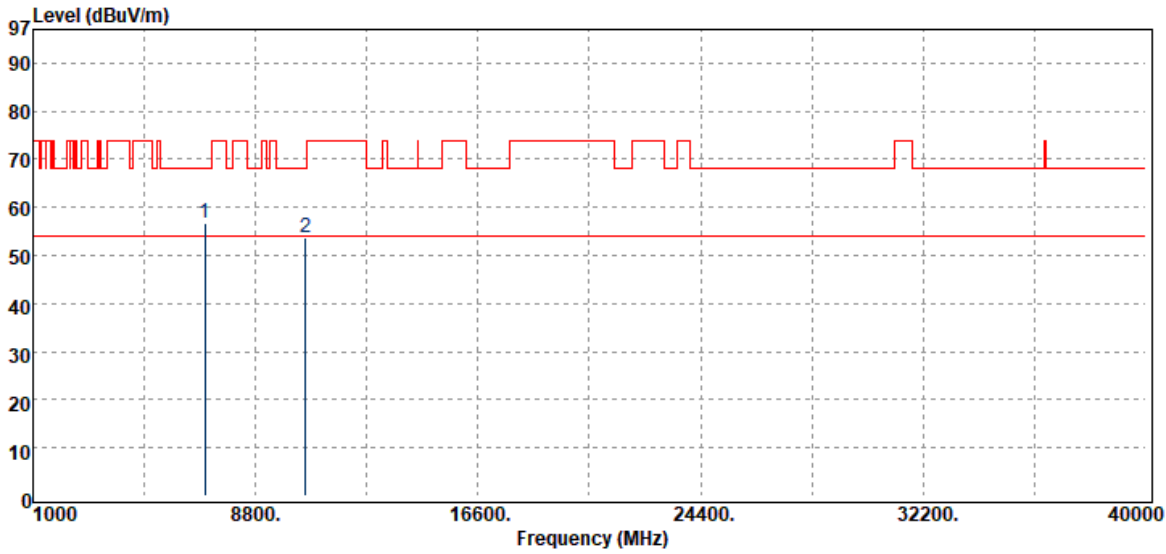
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7027.00	Peak	48.81	11.39	60.20	68.20	-8.00
10540.00	Peak	40.08	18.38	58.46	68.20	-9.74

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B2  
Test Channel :5270 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



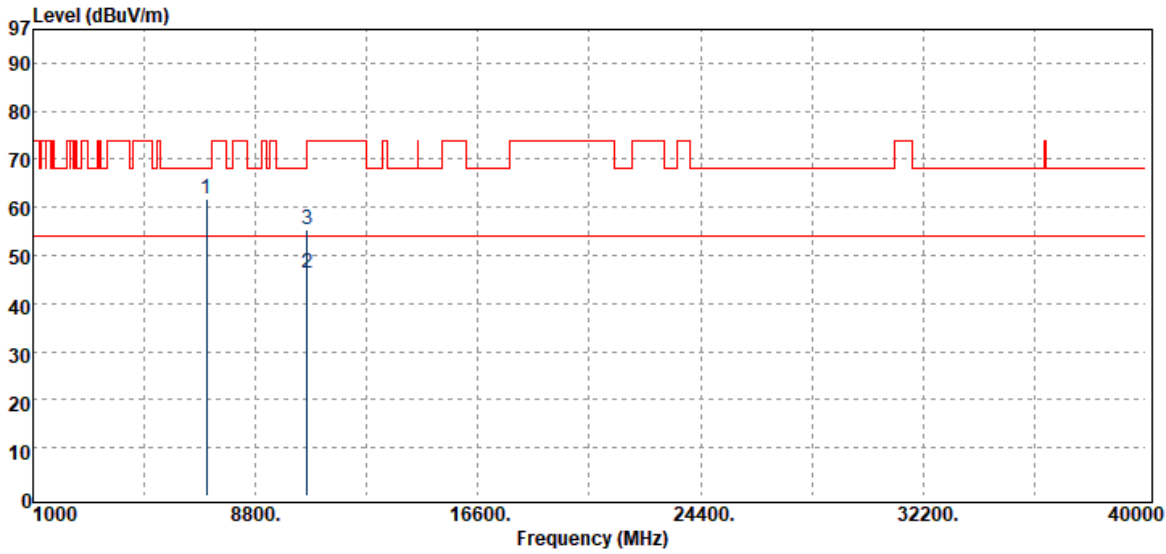
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7027.00	Peak	45.20	11.39	56.59	68.20	-11.61
10540.00	Peak	35.46	18.38	53.84	68.20	-14.36

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B2  
Test Channel :5310 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



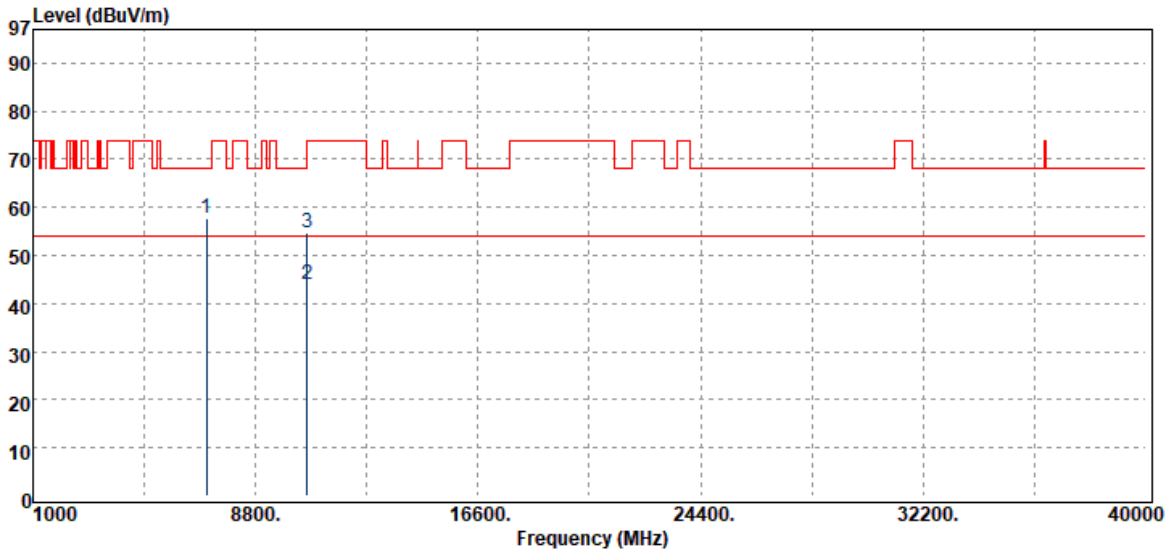
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7080.00	Peak	49.13	12.50	61.63	68.20	-6.57
10620.00	Average	26.85	19.33	46.18	54.00	-7.82
10620.00	Peak	36.00	19.33	55.33	74.00	-18.67

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B2  
Test Channel :5310 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7080.00	Peak	45.36	12.50	57.86	68.20	-10.34
10620.00	Average	24.66	19.33	43.99	54.00	-10.01
10620.00	Peak	35.41	19.33	54.74	74.00	-19.26

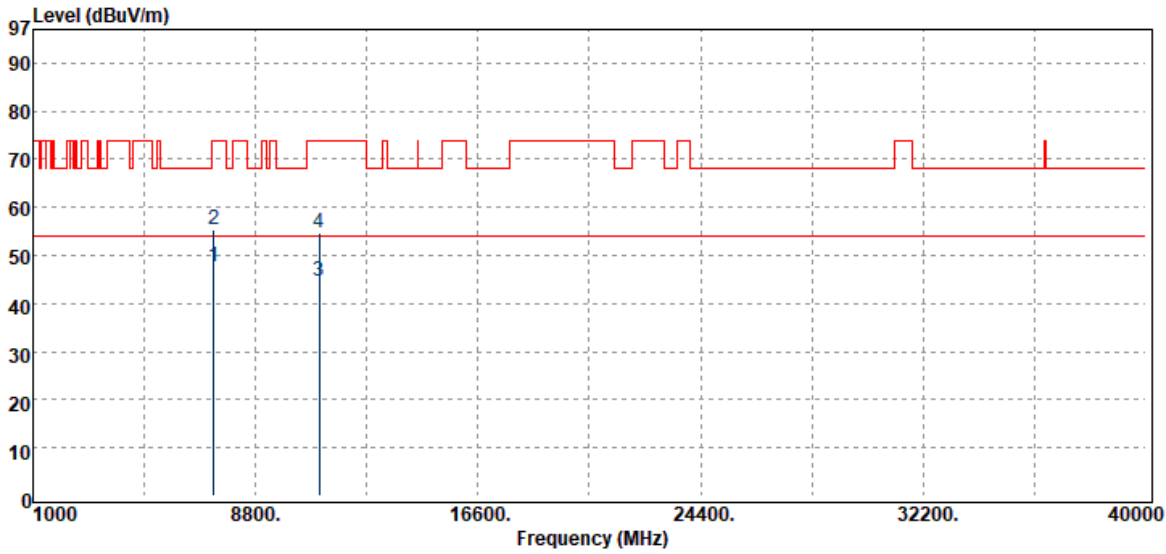
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5510 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7346.00	Average	33.58	14.18	47.76	54.00	-6.24
7346.00	Peak	41.18	14.18	55.36	74.00	-18.64
11020.00	Average	23.79	20.69	44.48	54.00	-9.52
11020.00	Peak	34.08	20.69	54.77	74.00	-19.23

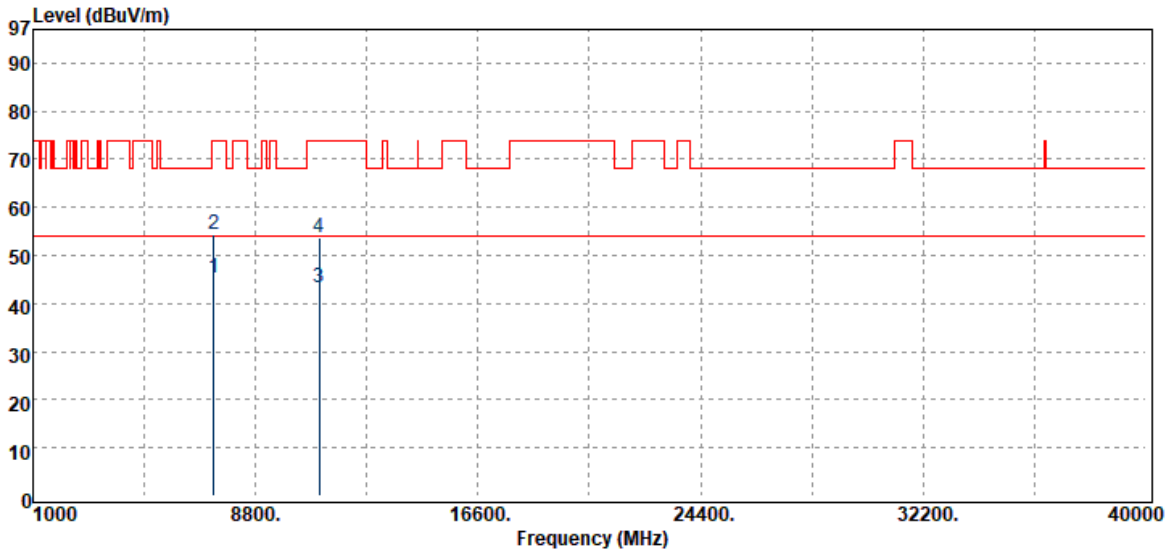
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5510 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



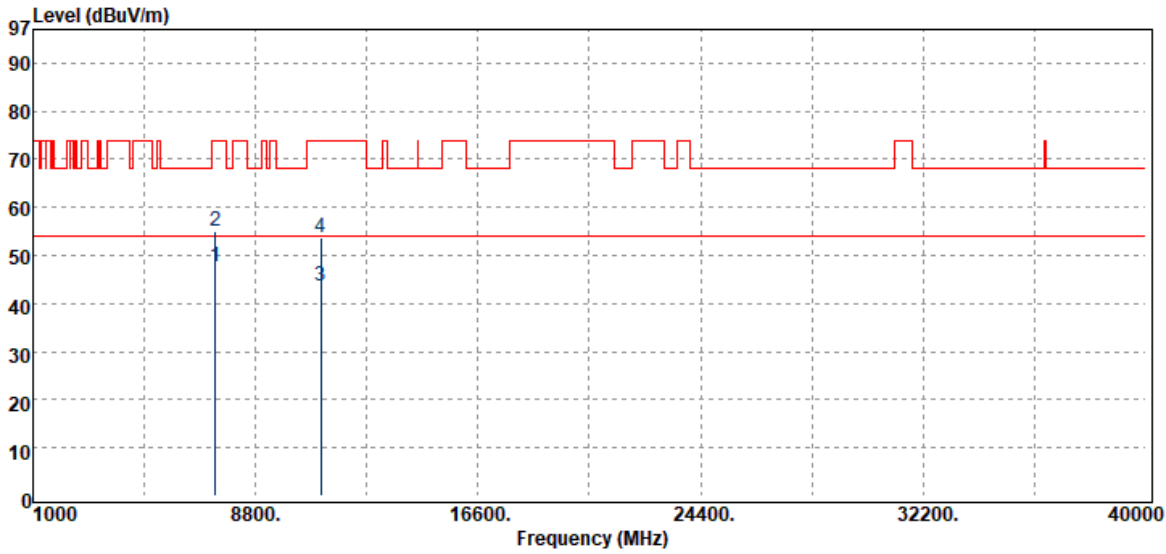
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7346.00	Average	31.26	14.18	45.44	54.00	-8.56
7346.00	Peak	40.04	14.18	54.22	74.00	-19.78
11020.00	Average	22.66	20.69	43.35	54.00	-10.65
11020.00	Peak	32.91	20.69	53.60	74.00	-20.40

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5550 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7400.00	Average	33.61	13.99	47.60	54.00	-6.40
7400.00	Peak	41.01	13.99	55.00	74.00	-19.00
11100.00	Average	23.95	19.75	43.70	54.00	-10.30
11100.00	Peak	34.10	19.75	53.85	74.00	-20.15

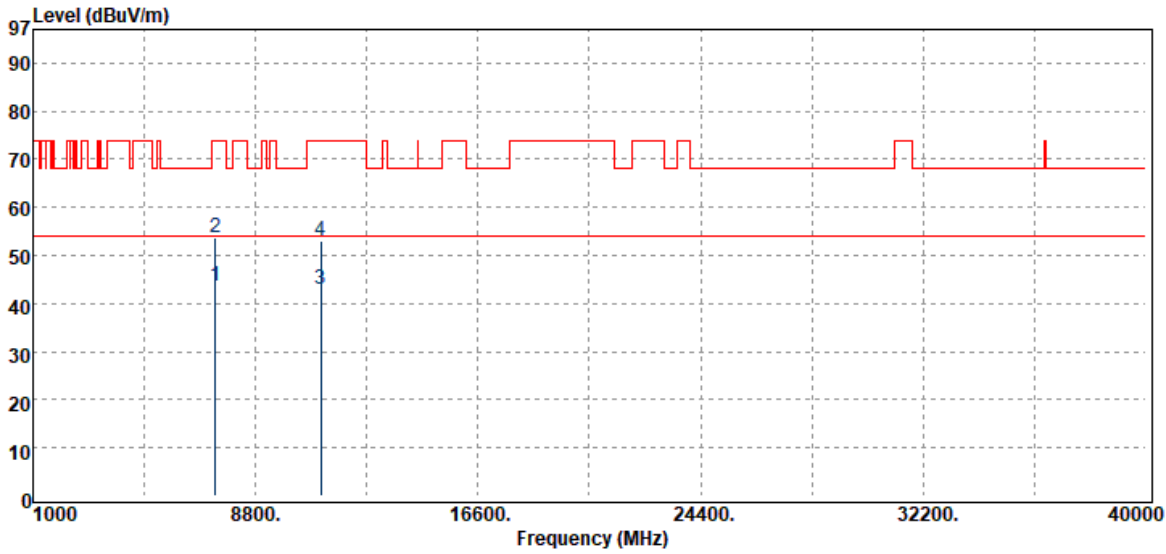
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5550 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



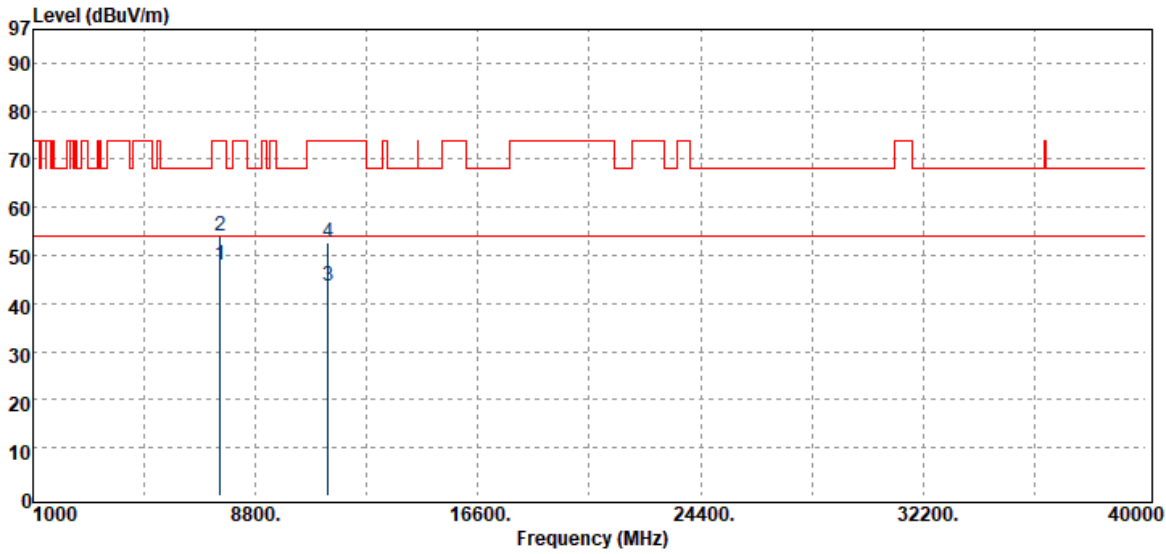
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7400.00	Average	29.67	13.99	43.66	54.00	-10.34
7400.00	Peak	39.55	13.99	53.54	74.00	-20.46
11100.00	Average	23.15	19.75	42.90	54.00	-11.10
11100.00	Peak	33.43	19.75	53.18	74.00	-20.82

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5670 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



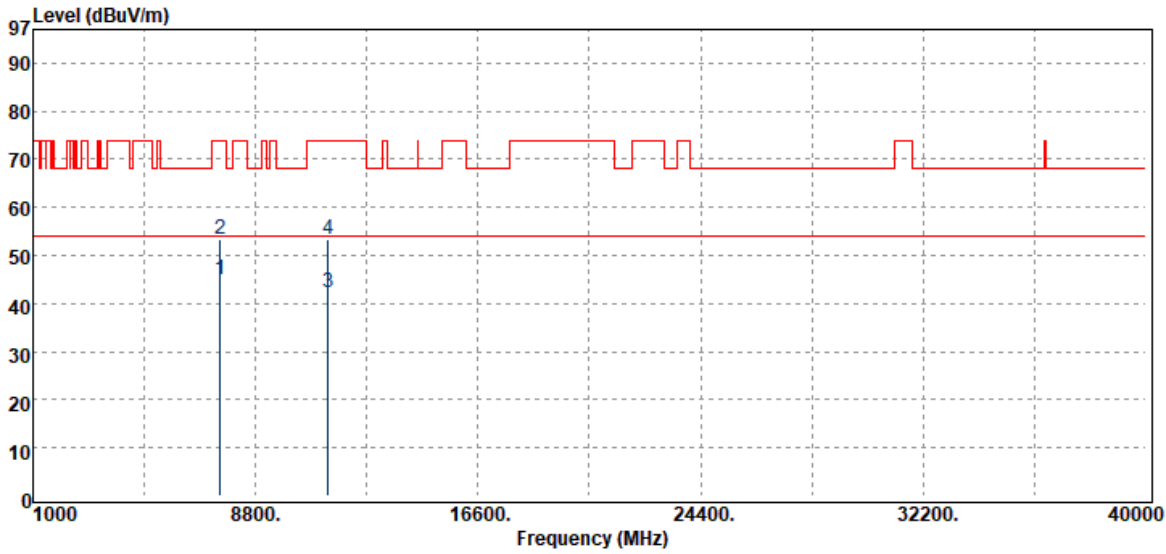
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7560.00	Average	34.64	13.44	48.08	54.00	-5.92
7560.00	Peak	40.75	13.44	54.19	74.00	-19.81
11340.00	Average	23.82	19.73	43.55	54.00	-10.45
11340.00	Peak	32.85	19.73	52.58	74.00	-21.42

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5670 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7560.00	Average	31.61	13.44	45.05	54.00	-8.95
7560.00	Peak	39.84	13.44	53.28	74.00	-20.72
11340.00	Average	22.61	19.73	42.34	54.00	-11.66
11340.00	Peak	33.51	19.73	53.24	74.00	-20.76

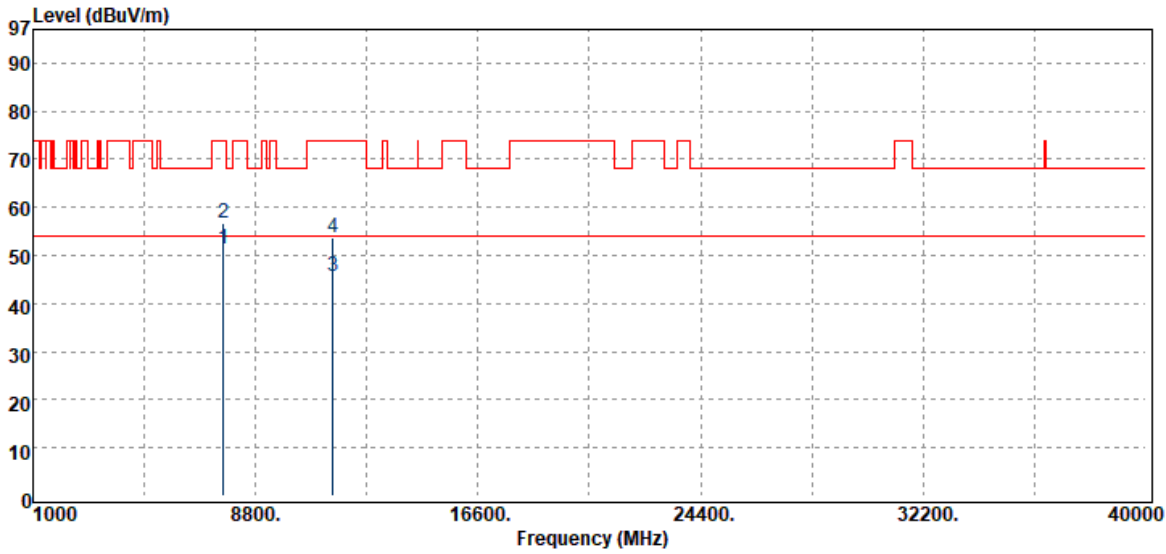
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B4  
Test Channel :5755 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



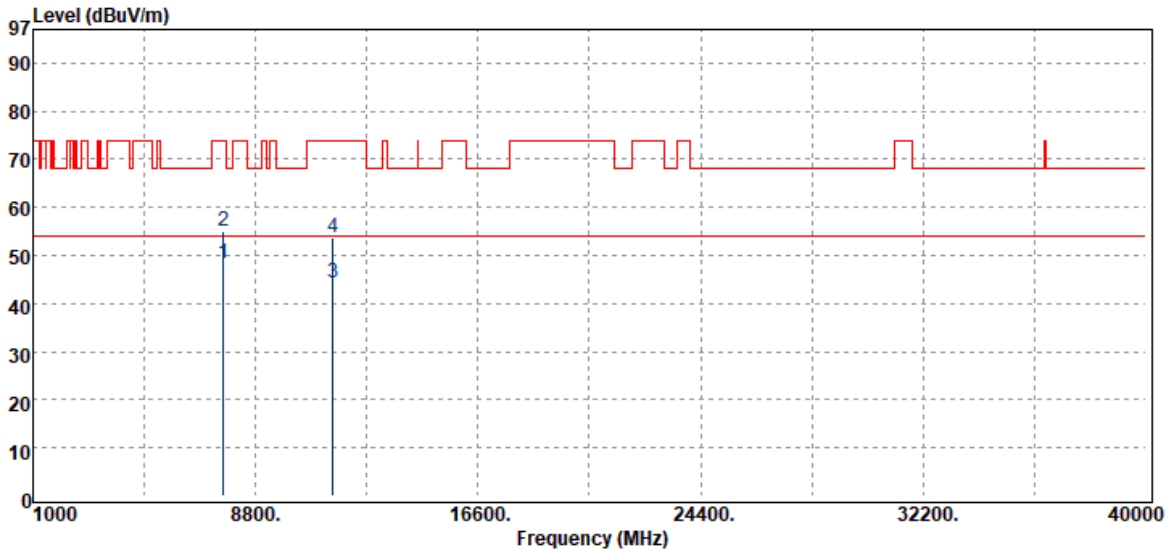
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7673.00	Average	37.55	13.85	51.40	54.00	-2.60
7673.00	Peak	42.74	13.85	56.59	74.00	-17.41
11510.00	Average	25.89	19.78	45.67	54.00	-8.33
11510.00	Peak	33.94	19.78	53.72	74.00	-20.28

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B4  
Test Channel :5755 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7673.00	Average	34.57	13.85	48.42	54.00	-5.58
7673.00	Peak	41.22	13.85	55.07	74.00	-18.93
11510.00	Average	24.67	19.78	44.45	54.00	-9.55
11510.00	Peak	33.79	19.78	53.57	74.00	-20.43

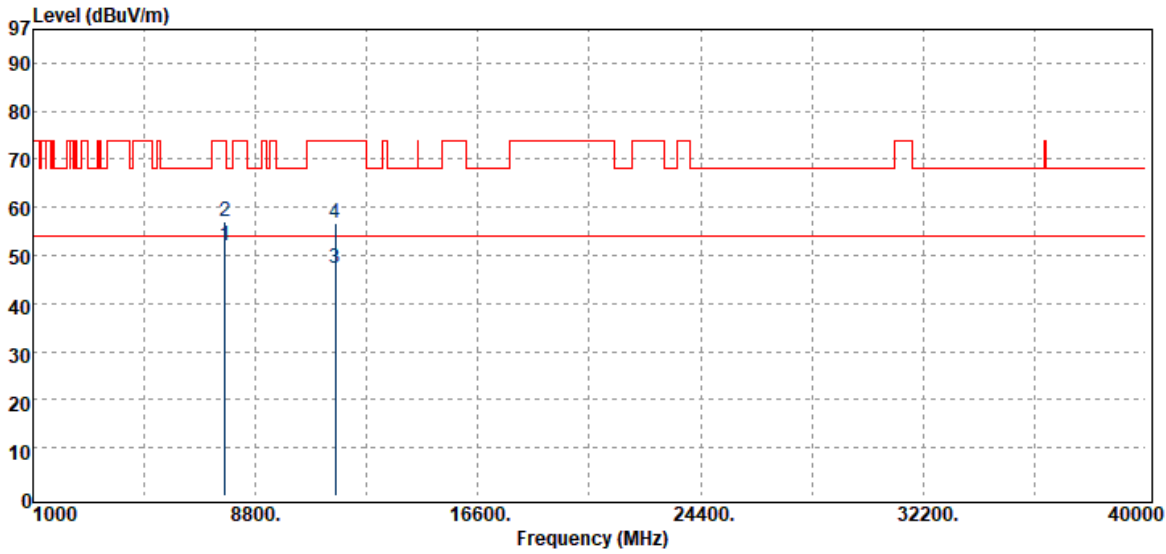
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B4  
Test Channel :5795 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



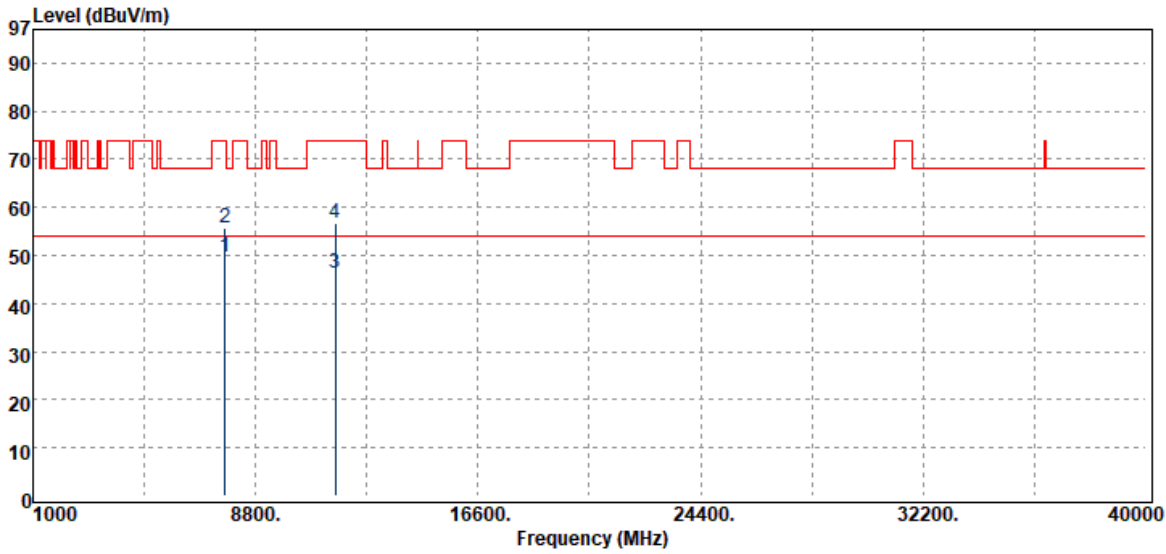
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7727.00	Average	38.20	13.86	52.06	54.00	-1.94
7727.00	Peak	43.09	13.86	56.95	74.00	-17.05
11590.00	Average	25.96	21.38	47.34	54.00	-6.66
11590.00	Peak	35.22	21.38	56.60	74.00	-17.40

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B4  
Test Channel :5795 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



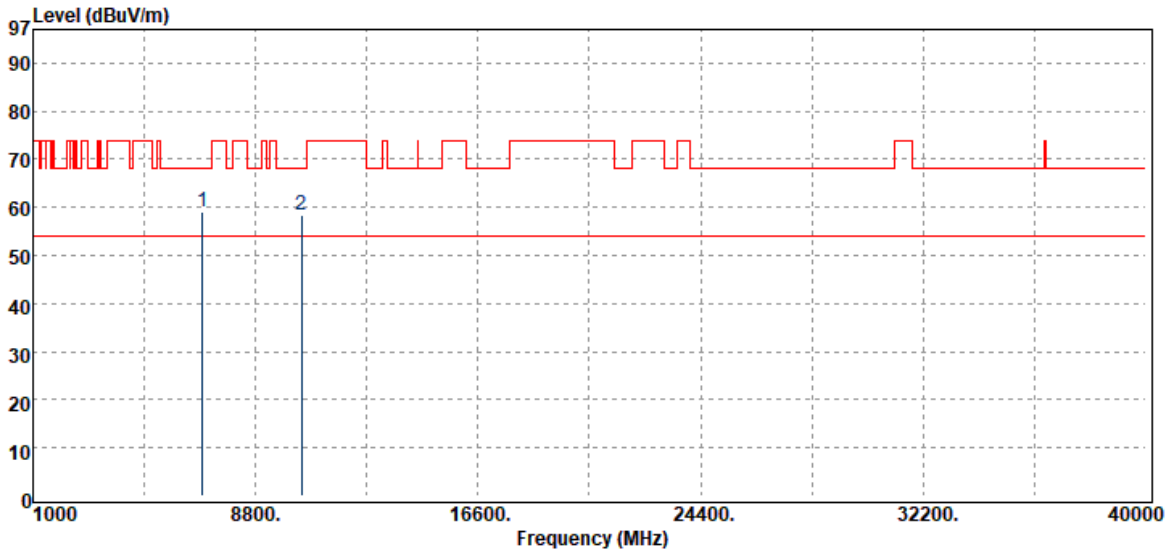
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7727.00	Average	35.86	13.86	49.72	54.00	-4.28
7727.00	Peak	41.71	13.86	55.57	74.00	-18.43
11590.00	Average	24.77	21.38	46.15	54.00	-7.85
11590.00	Peak	35.42	21.38	56.80	74.00	-17.20

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Report Number :ER/2019/B0067  
 Operation Mode :802.11ac80 B1  
 Test Channel :5210 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-26  
 Temp./Humi. :23.5/64  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



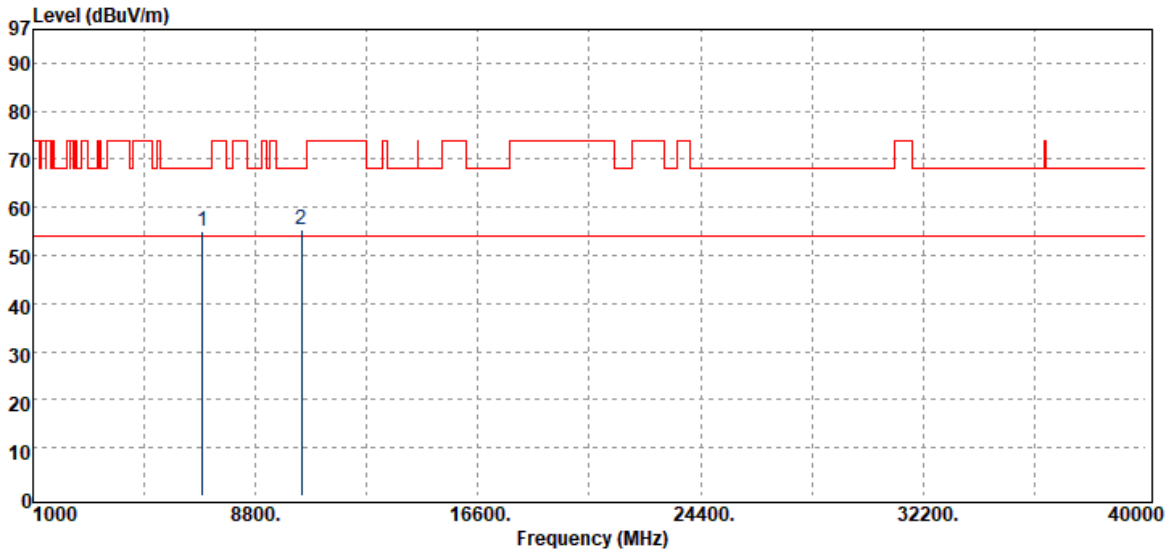
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6947.00	Peak	47.34	11.61	58.95	68.20	-9.25
10420.00	Peak	39.41	18.93	58.34	68.20	-9.86

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B1  
Test Channel :5210 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



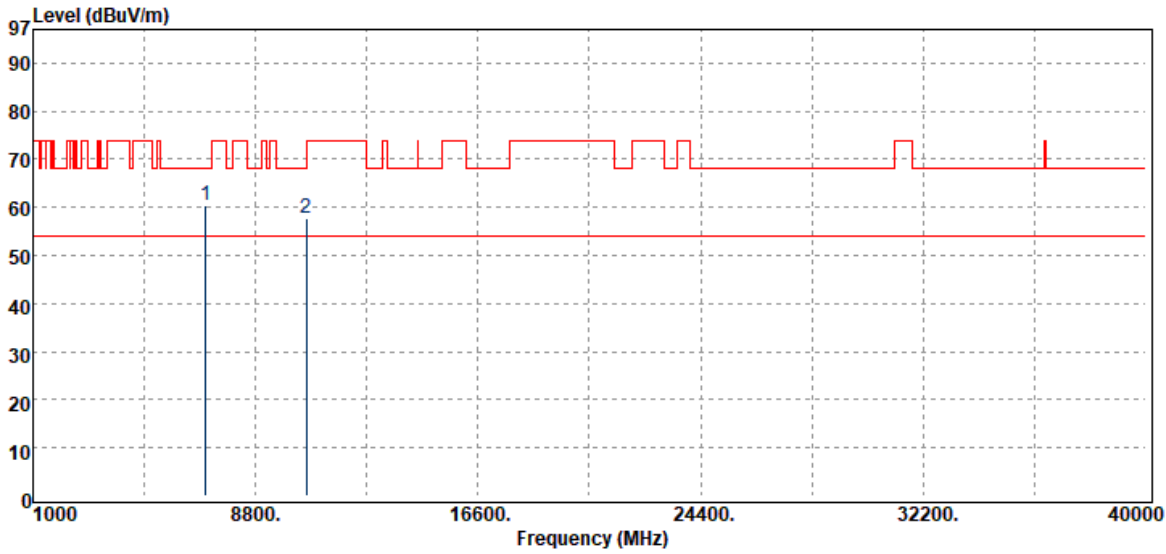
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6947.00	Peak	43.78	11.37	55.15	68.20	-13.05
10420.00	Peak	36.55	18.93	55.48	68.20	-12.72

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B2  
Test Channel :5290 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



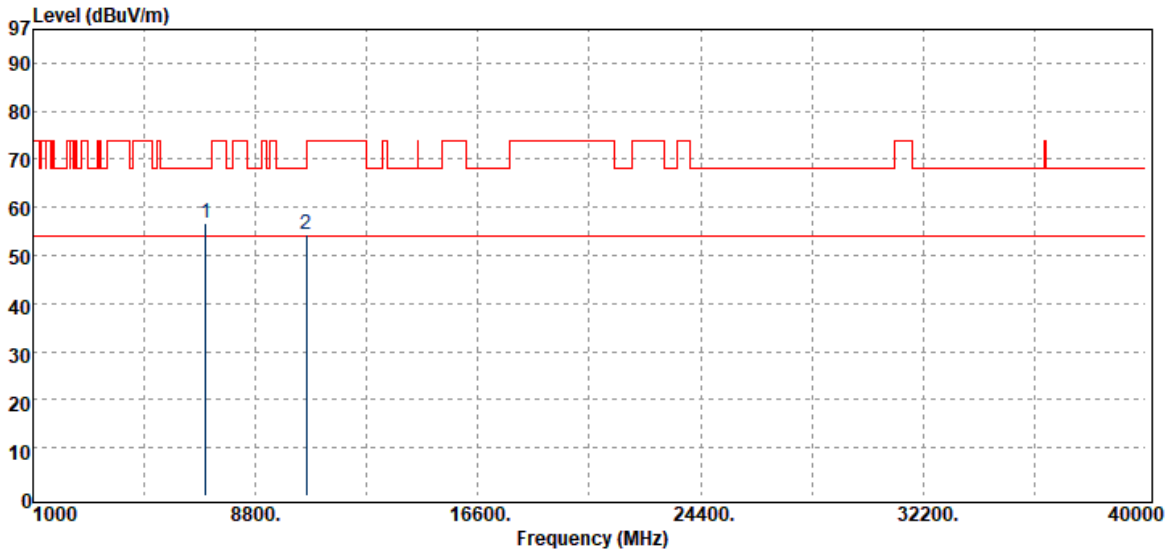
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7053.00	Peak	48.74	11.64	60.38	68.20	-7.82
10580.00	Peak	38.84	18.85	57.69	68.20	-10.51

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B2  
Test Channel :5290 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



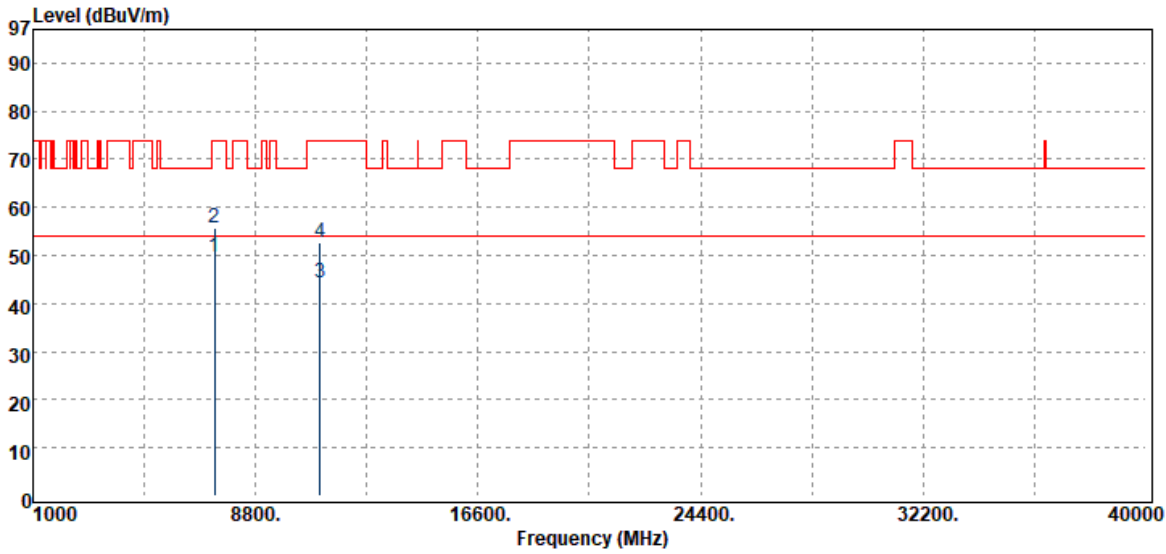
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7053.00	Peak	45.19	11.64	56.83	68.20	-11.37
10580.00	Peak	35.59	18.85	54.44	68.20	-13.76

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5530 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



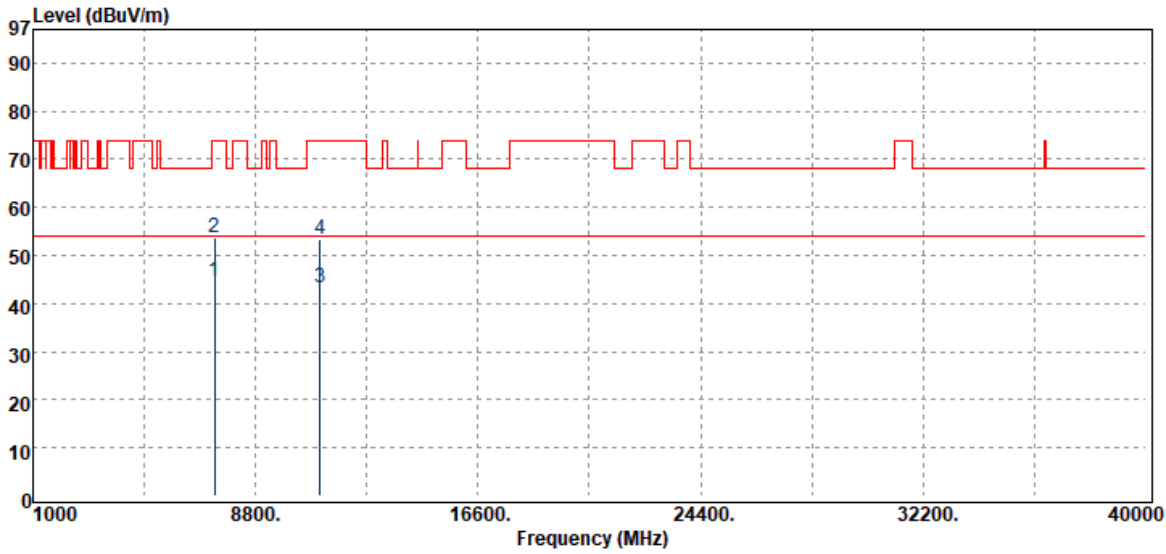
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7373.00	Average	35.66	14.06	49.72	54.00	-4.28
7373.00	Peak	41.71	14.06	55.77	74.00	-18.23
11060.00	Average	24.08	20.19	44.27	54.00	-9.73
11060.00	Peak	32.63	20.19	52.82	74.00	-21.18

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5530 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7373.00	Average	30.60	14.06	44.66	54.00	-9.34
7373.00	Peak	39.68	14.06	53.74	74.00	-20.26
11060.00	Average	23.27	20.19	43.46	54.00	-10.54
11060.00	Peak	33.28	20.19	53.47	74.00	-20.53

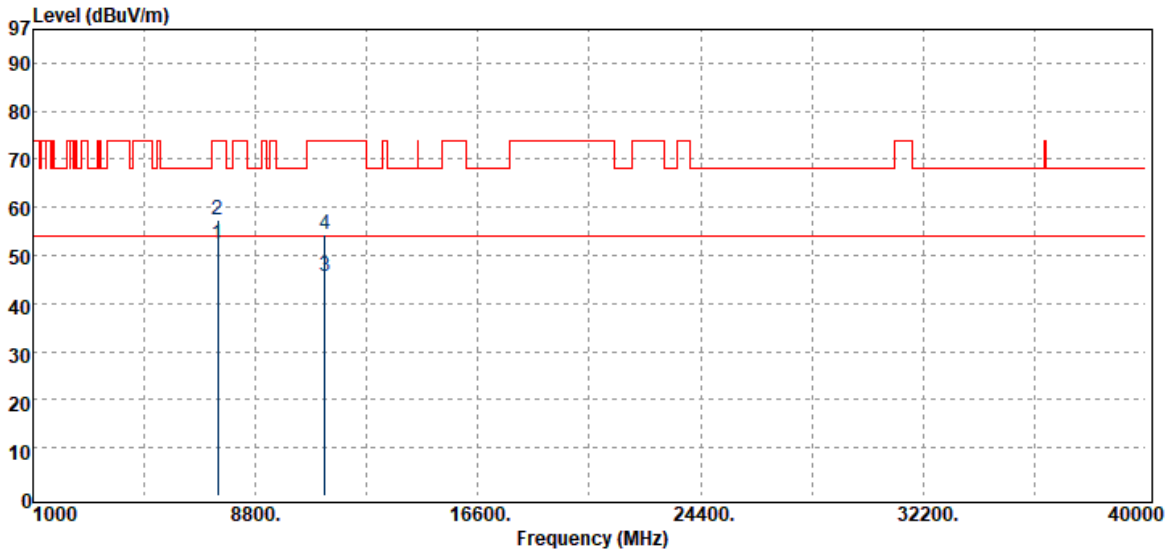
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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5610 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



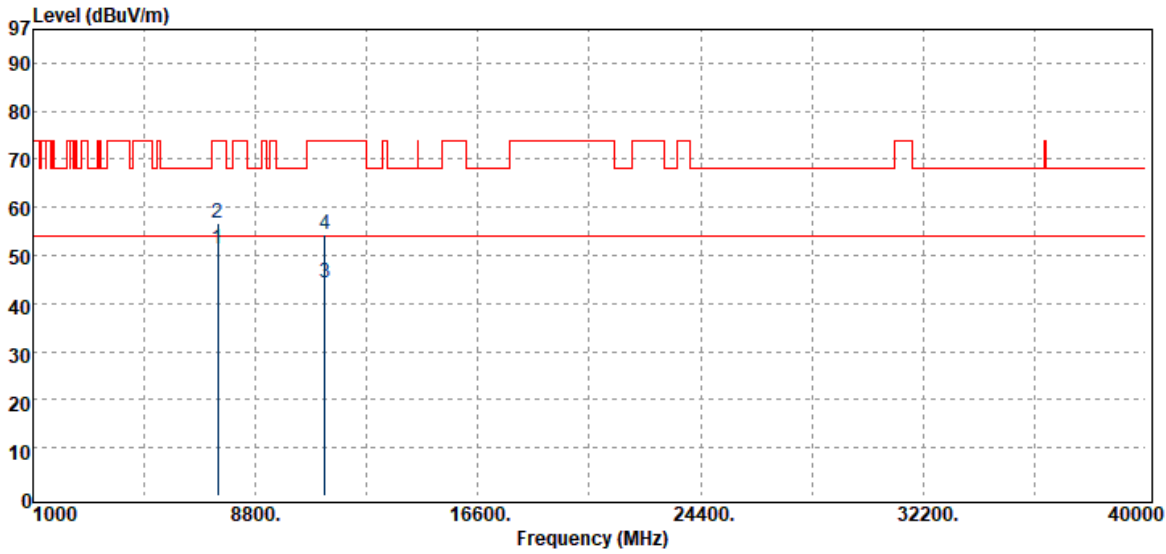
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7480.00	Average	38.16	14.27	52.43	54.00	-1.57
7480.00	Peak	43.00	14.27	57.27	74.00	-16.73
11220.00	Average	25.89	19.80	45.69	54.00	-8.31
11220.00	Peak	34.57	19.80	54.37	74.00	-19.63

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5610 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7480.00	Average	37.17	14.27	51.44	54.00	-2.56
7480.00	Peak	42.32	14.27	56.59	74.00	-17.41
11220.00	Average	24.67	19.80	44.47	54.00	-9.53
11220.00	Peak	34.73	19.80	54.53	74.00	-19.47

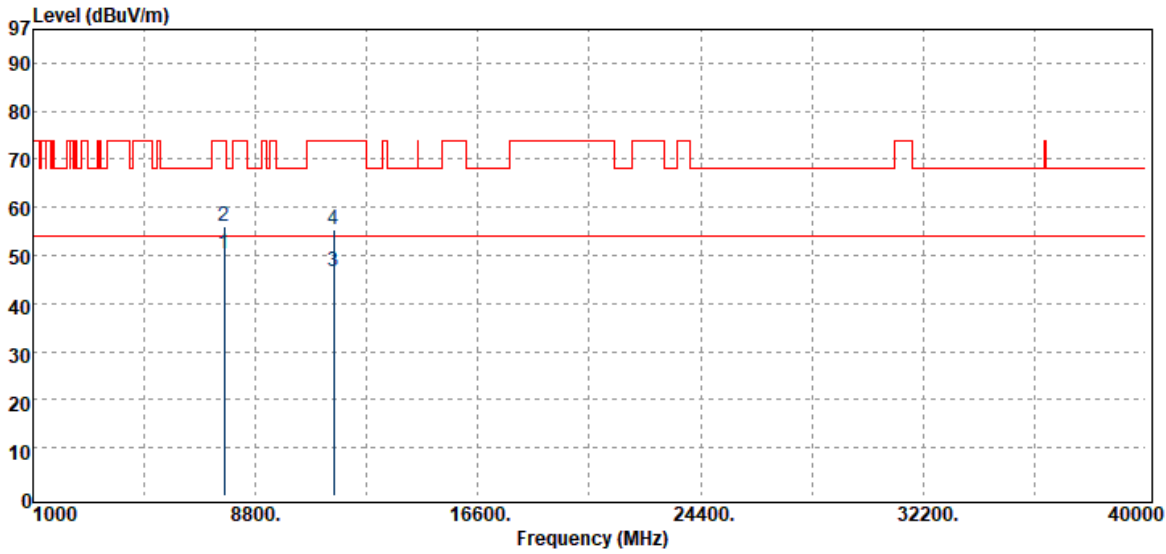
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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B4  
Test Channel :5775 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :VERTICAL  
Engineer :Thomas



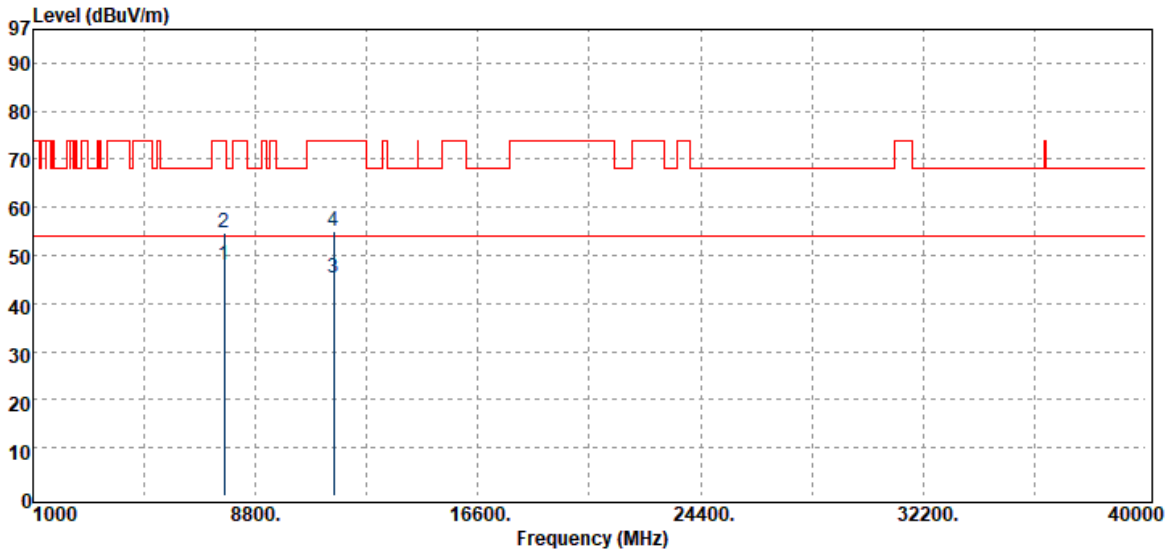
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7700.00	Average	35.91	14.28	50.19	54.00	-3.81
7700.00	Peak	41.81	14.28	56.09	74.00	-17.91
11550.00	Average	26.05	20.48	46.53	54.00	-7.47
11550.00	Peak	34.83	20.48	55.31	74.00	-18.69

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B4  
Test Channel :5775 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-26  
Temp./Humi. :23.5/64  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



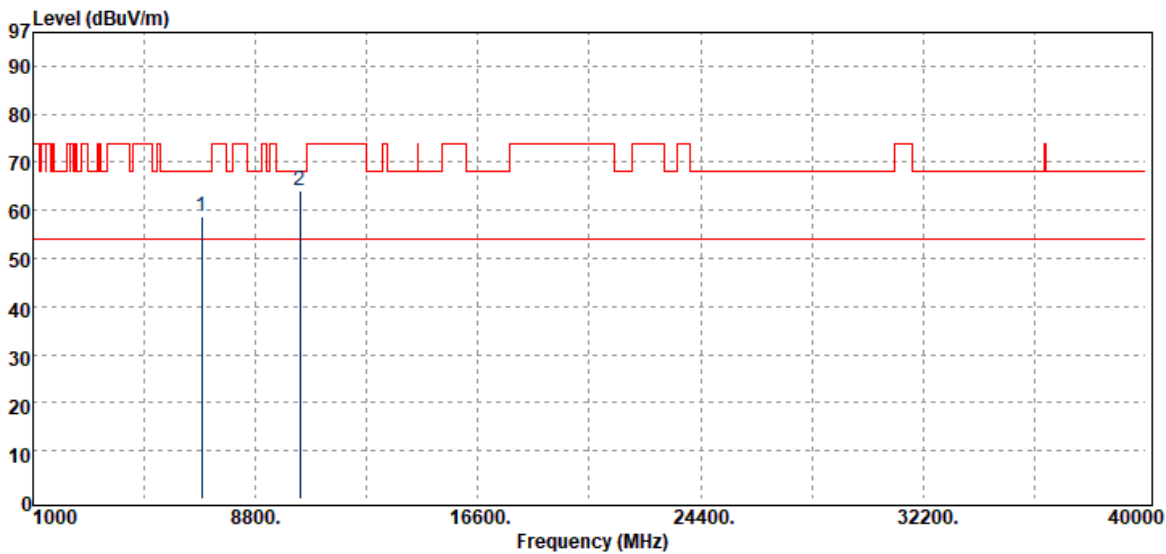
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7700.00	Average	33.80	14.28	48.08	54.00	-5.92
7700.00	Peak	40.51	14.28	54.79	74.00	-19.21
11550.00	Average	24.89	20.48	45.37	54.00	-8.63
11550.00	Peak	34.59	20.48	55.07	74.00	-18.93

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**PCB Antenna (Part No.: FXP830.07.0100C)**

Report Number	:ER/2019/B0067	Test Date	:2019-12-27
Operation Mode	:802.11a B1	Temp./Humi.	:21.7/53
Test Channel	:5180 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low	Engineer	:Thomas
EUT Pol	:E2 Plane		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6906.00	Peak	46.68	12.12	58.80	68.20	-9.40
10360.00	Peak	45.50	18.72	64.22	68.20	-3.98

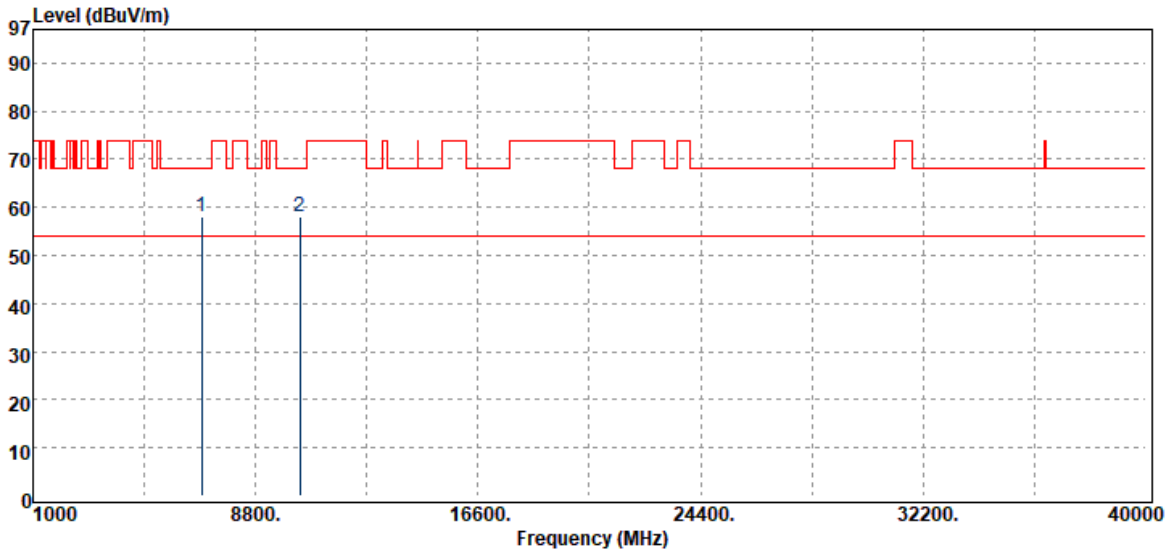
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5180 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



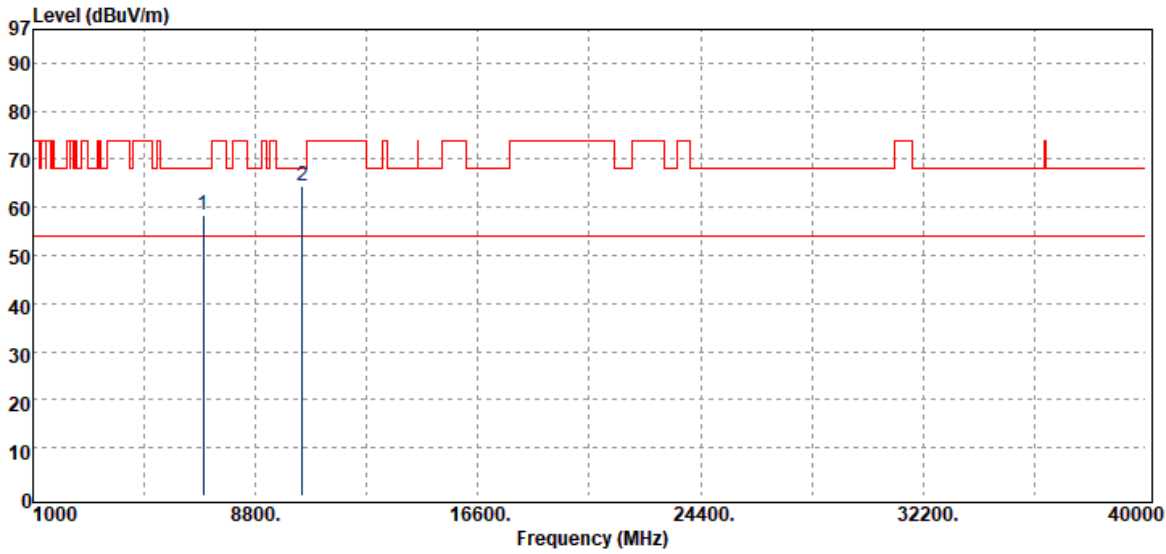
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6906.00	Peak	45.90	12.12	58.02	68.20	-10.18
10360.00	Peak	39.50	18.72	58.22	68.20	-9.98

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



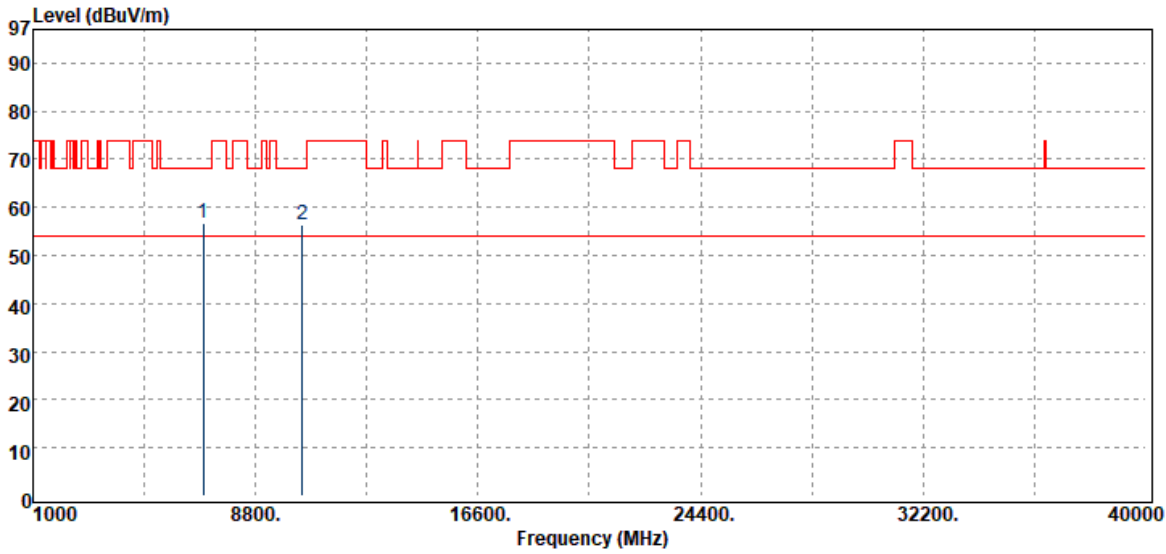
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6960.00	Peak	46.93	11.47	58.40	68.20	-9.80
10440.00	Peak	45.80	18.53	64.33	68.20	-3.87

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6960.00	Peak	45.28	11.47	56.75	68.20	-11.45
10440.00	Peak	37.87	18.53	56.40	68.20	-11.80

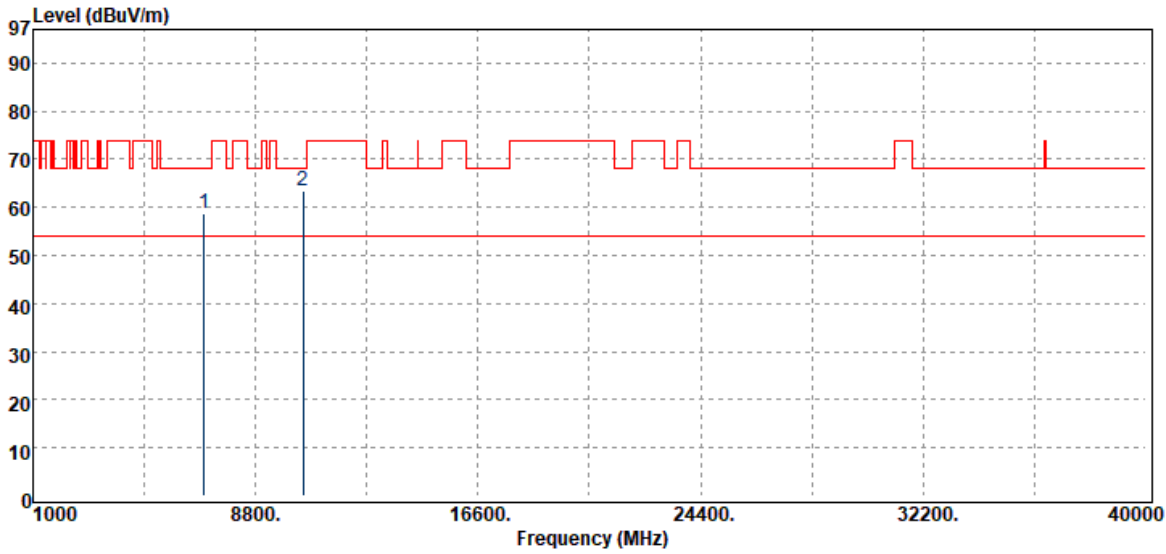
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5240 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



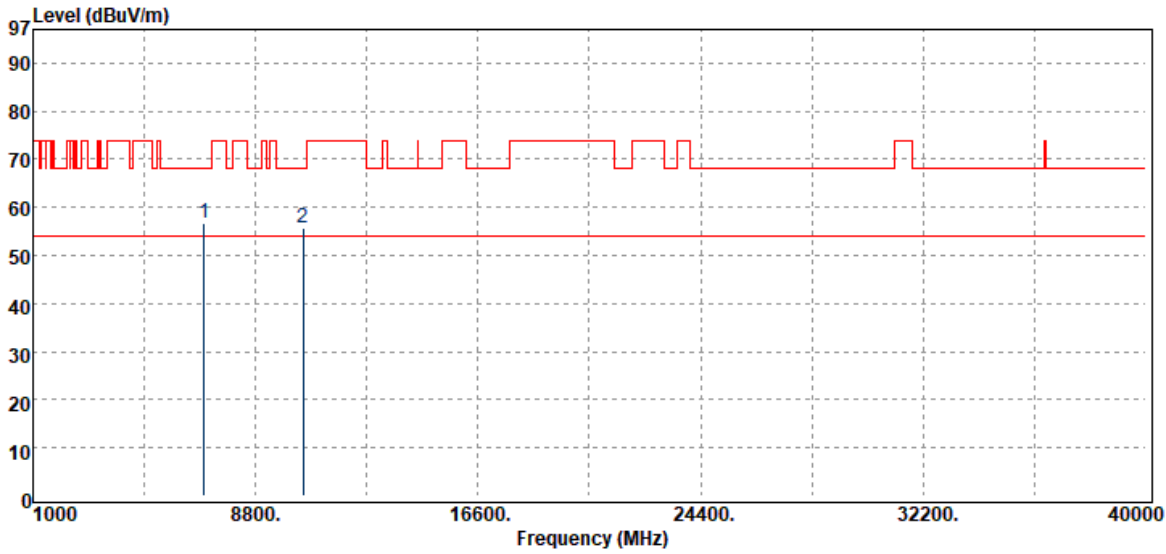
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
6987.00	Peak	47.65	11.16	58.81	68.20	-9.39
10480.00	Peak	45.59	17.83	63.42	68.20	-4.78

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B1  
Test Channel :5240 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



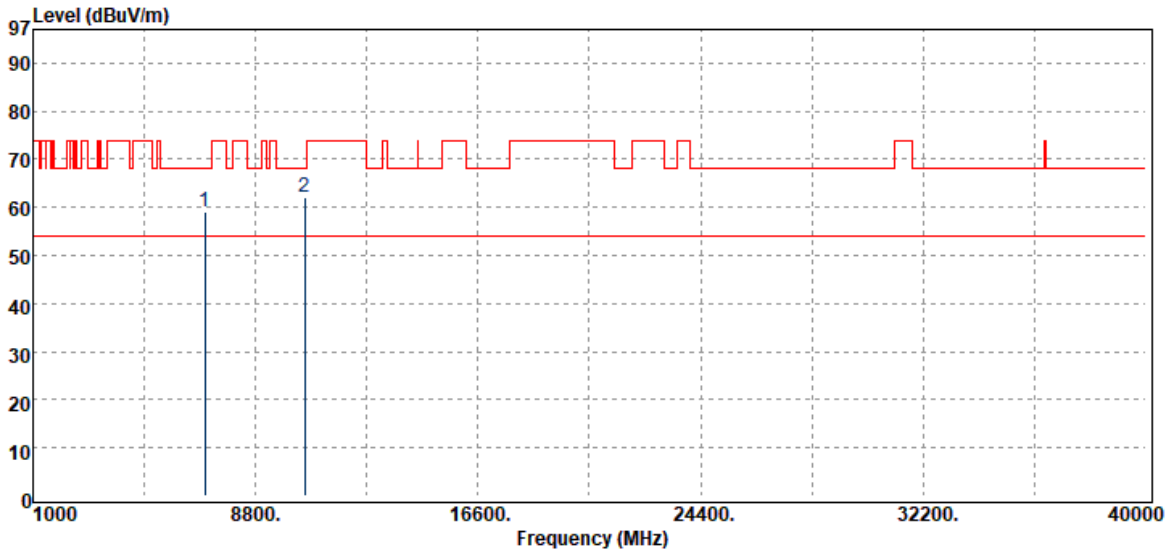
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6987.00	Peak	45.50	11.10	56.60	68.20	-11.60
10480.00	Peak	38.04	17.83	55.87	68.20	-12.33

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5260 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



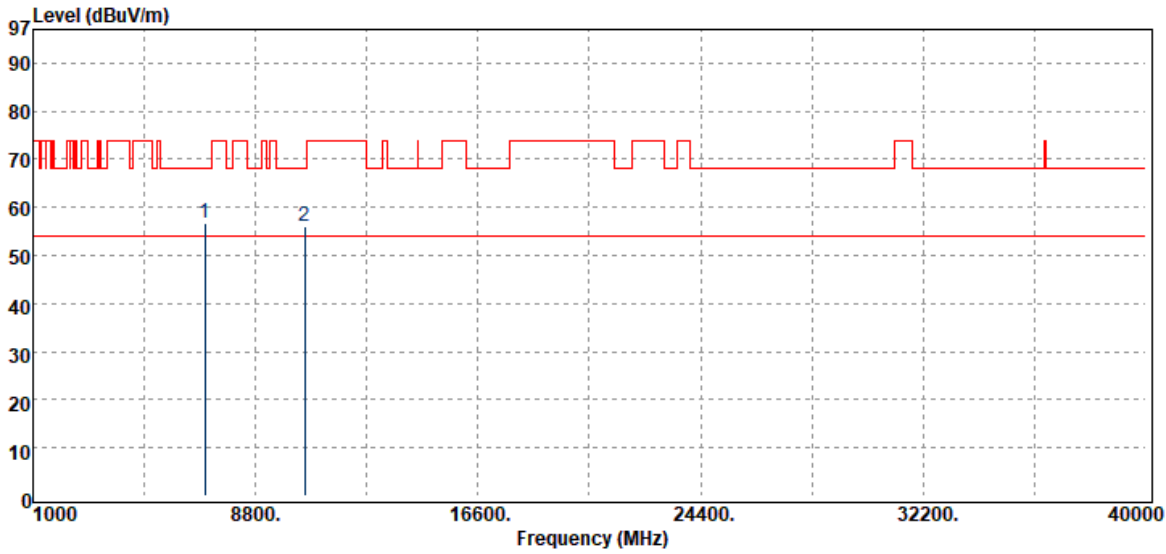
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7013.00	Peak	47.80	11.23	59.03	68.20	-9.17
10520.00	Peak	44.04	18.05	62.09	68.20	-6.11

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5260 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



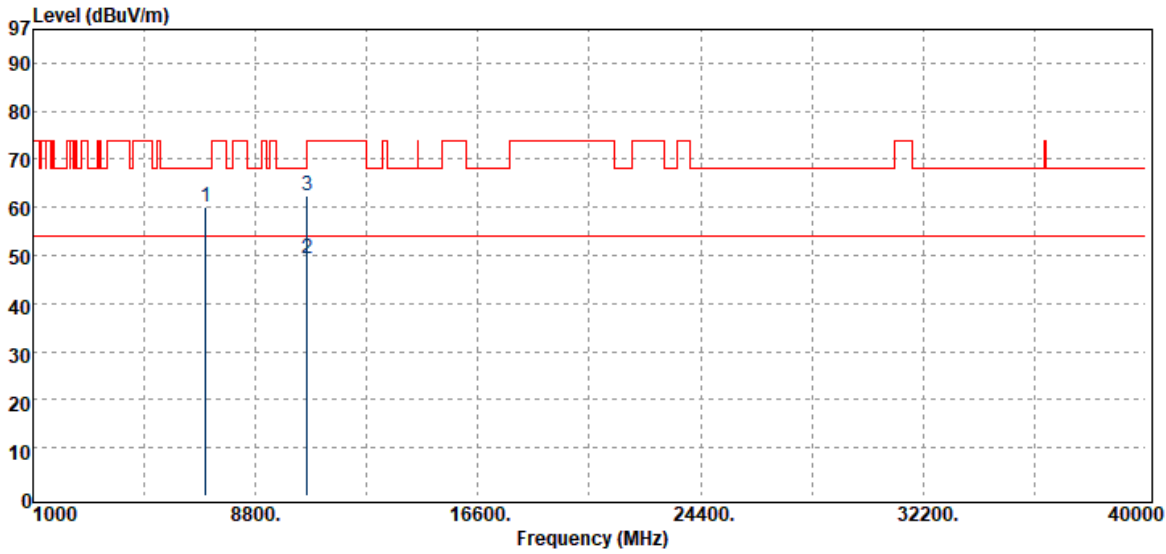
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7013.00	Peak	45.48	11.23	56.71	68.20	-11.49
10520.00	Peak	37.89	18.05	55.94	68.20	-12.26

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



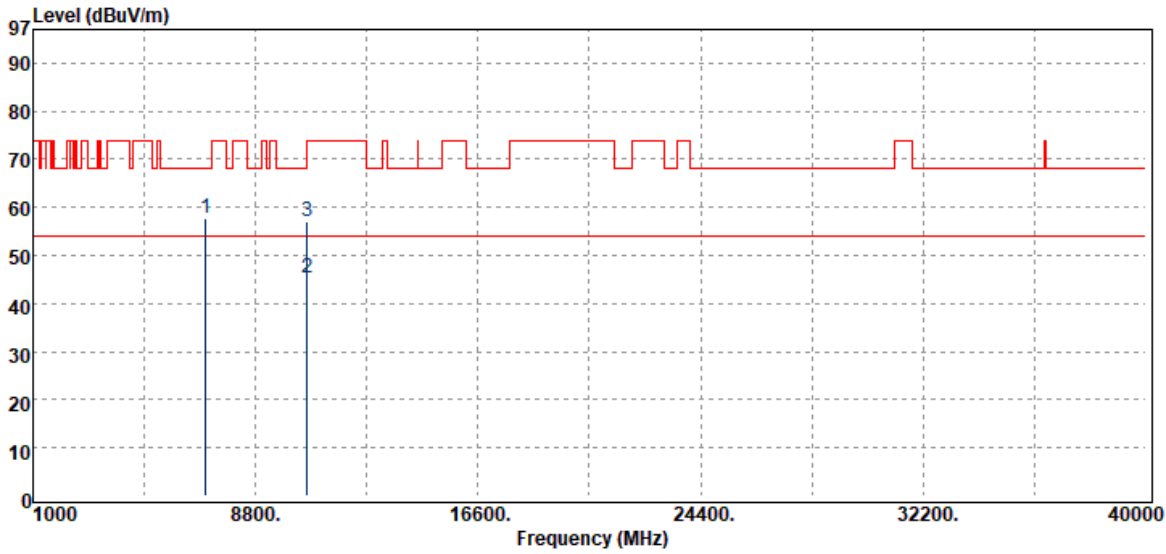
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7067.00	Peak	47.97	12.08	60.05	68.20	-8.15
10600.00	Average	30.08	19.18	49.26	54.00	-4.74
10600.00	Peak	43.15	19.18	62.33	74.00	-11.67

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Report Number :ER/2019/B0067  
 Operation Mode :802.11a B2  
 Test Channel :5300 MHz  
 Test Mode :Tx CH Mid  
 EUT Pol :E2 Plane

Test Date :2019-12-27  
 Temp./Humi. :21.7/53  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7067.00	Peak	45.73	12.08	57.81	68.20	-10.39
10600.00	Average	26.03	19.18	45.21	54.00	-8.79
10600.00	Peak	37.77	19.18	56.95	74.00	-17.05

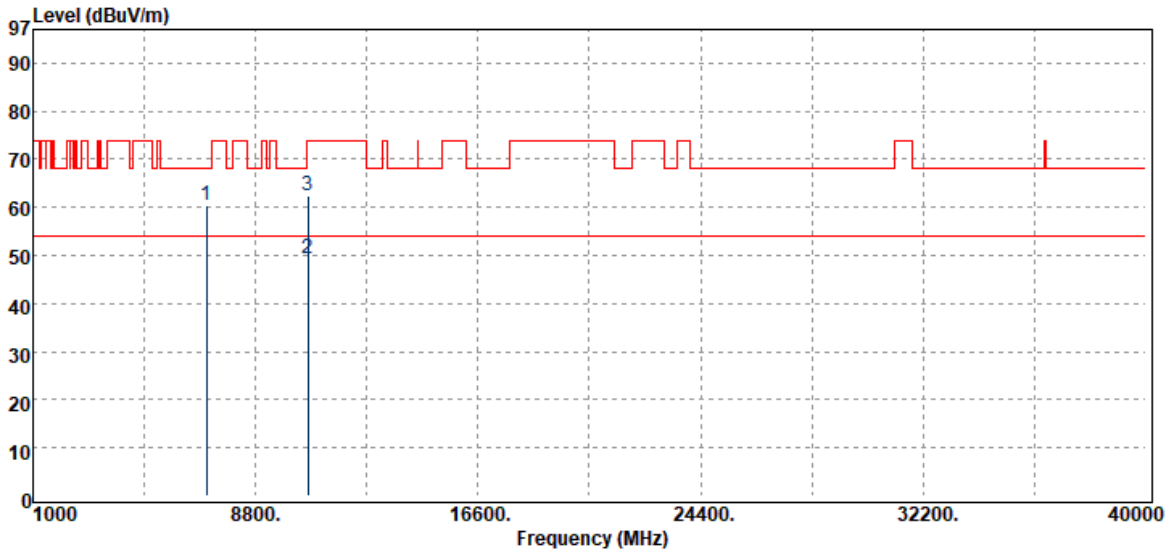
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5320 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



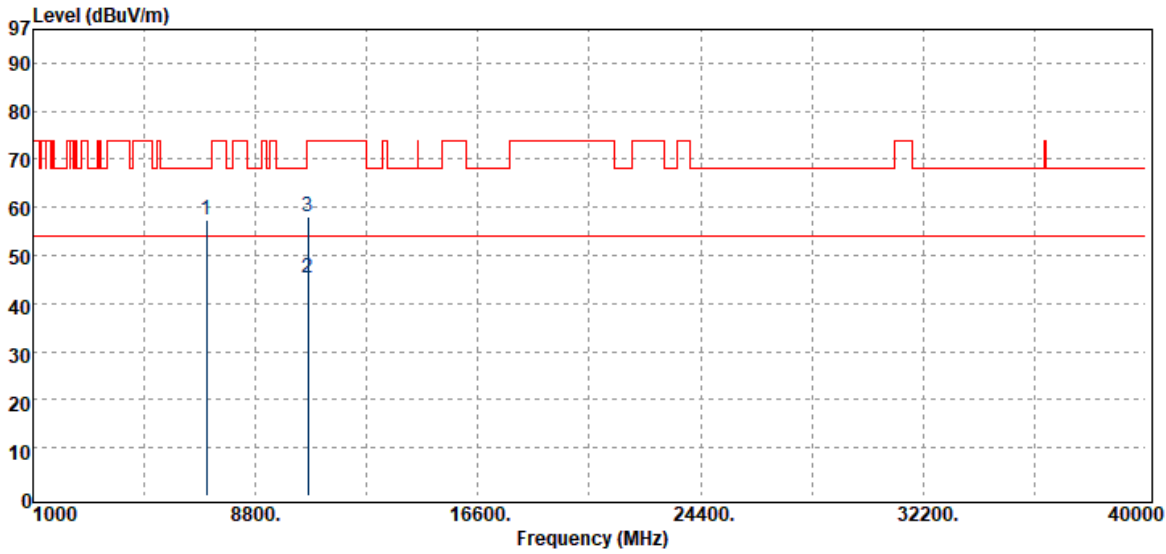
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7093.00	Peak	47.51	12.90	60.41	68.20	-7.79
10640.00	Average	29.88	19.49	49.37	54.00	-4.63
10640.00	Peak	42.94	19.49	62.43	74.00	-11.57

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B2  
Test Channel :5320 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7093.00	Peak	44.40	12.90	57.30	68.20	-10.90
10640.00	Average	25.89	19.49	45.38	54.00	-8.62
10640.00	Peak	38.44	19.49	57.93	74.00	-16.07

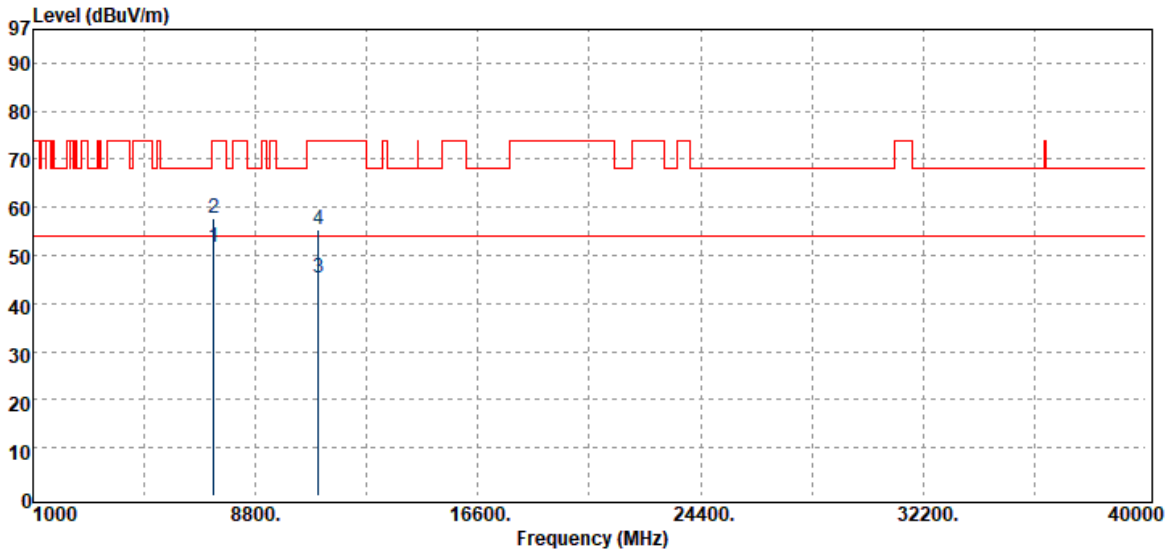
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5500 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :VERTICAL  
Engineer :Thomas



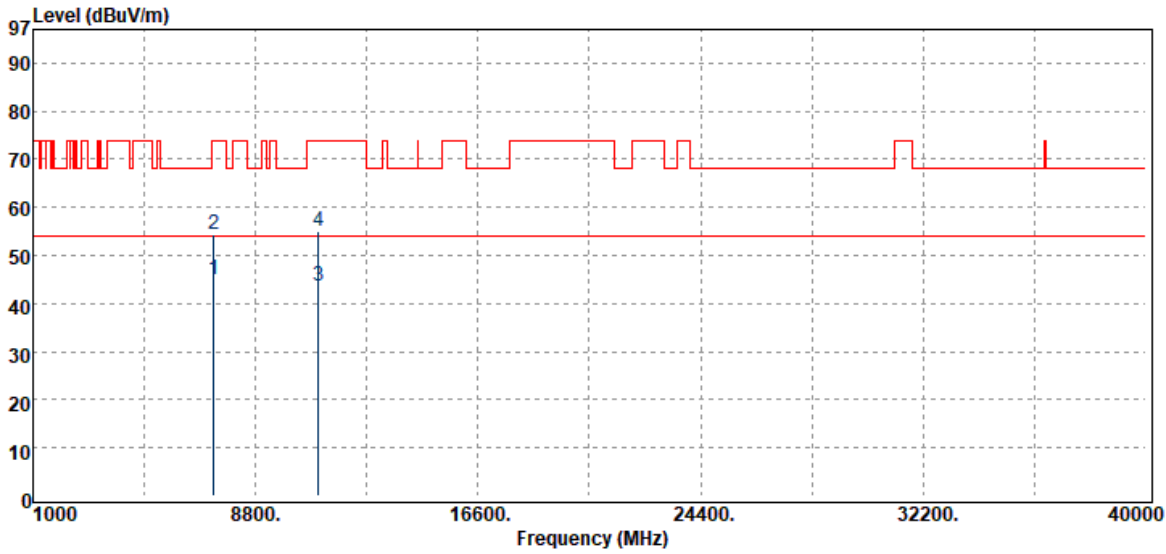
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7333.00	Average	37.51	14.33	51.84	54.00	-2.16
7333.00	Peak	43.26	14.33	57.59	74.00	-16.41
11000.00	Average	24.90	20.49	45.39	54.00	-8.61
11000.00	Peak	35.00	20.49	55.49	74.00	-18.51

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5500 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



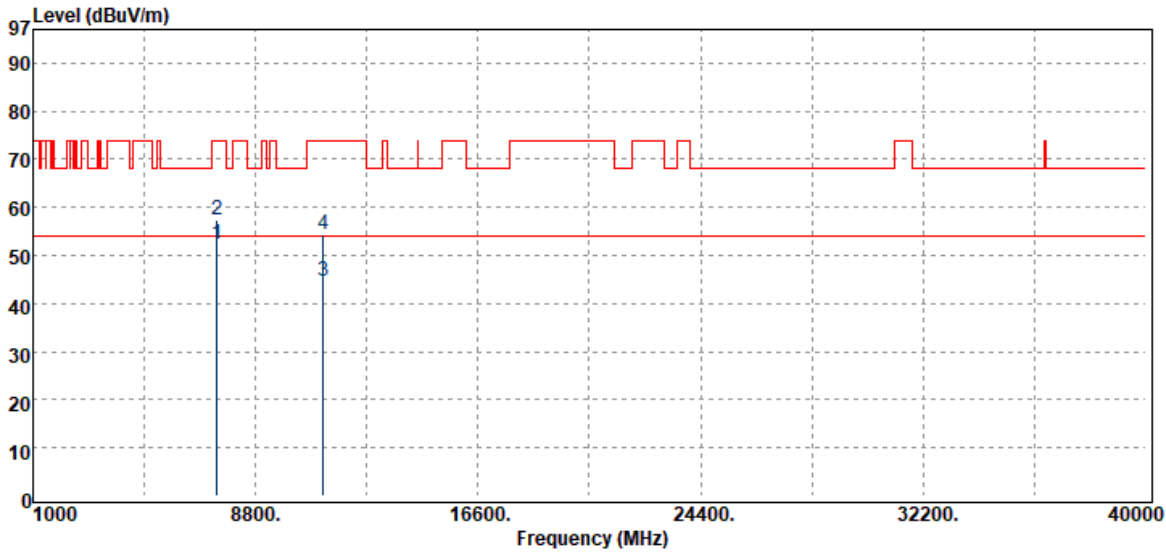
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7333.00	Average	30.60	14.33	44.93	54.00	-9.07
7333.00	Peak	39.89	14.33	54.22	74.00	-19.78
11000.00	Average	23.04	20.49	43.53	54.00	-10.47
11000.00	Peak	34.63	20.49	55.12	74.00	-18.88

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7440.00	Average	38.10	14.11	52.21	54.00	-1.79
7440.00	Peak	43.24	14.11	57.35	74.00	-16.65
11160.00	Average	24.99	19.71	44.70	54.00	-9.30
11160.00	Peak	34.67	19.71	54.38	74.00	-19.62

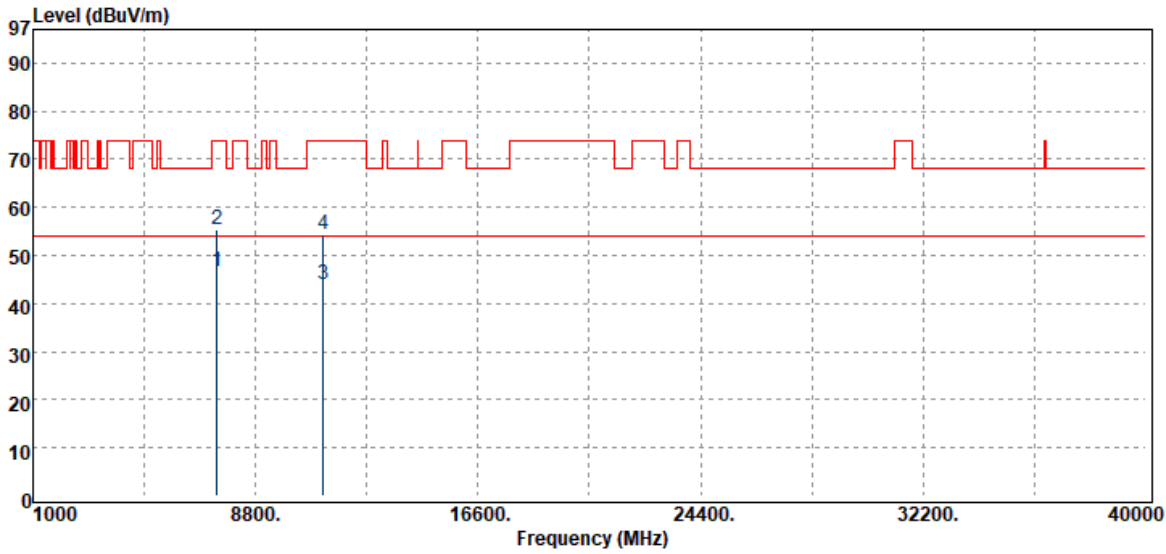
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



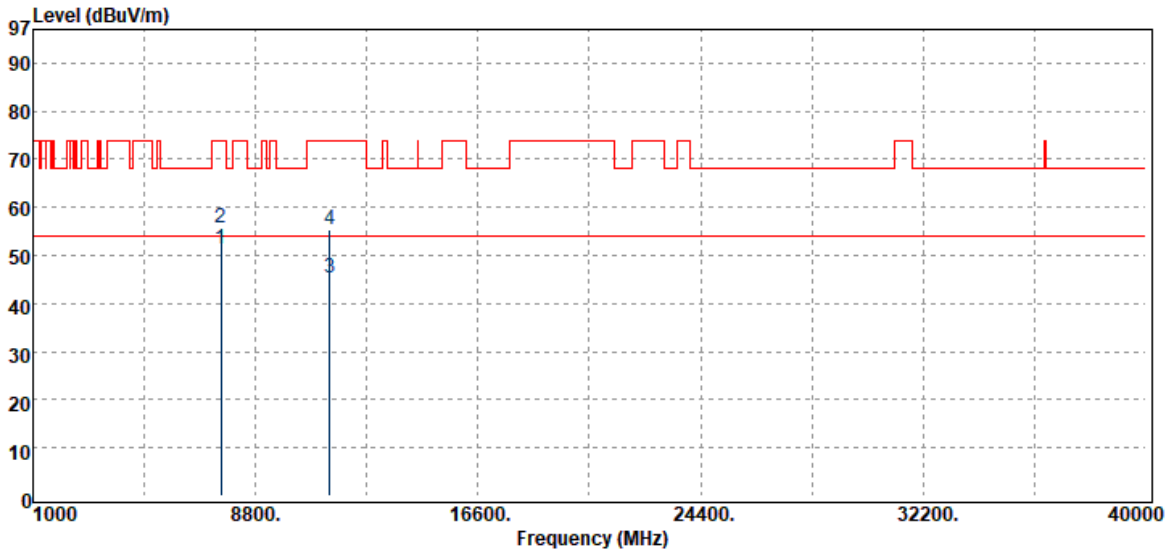
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7440.00	Average	32.50	14.11	46.61	54.00	-7.39
7440.00	Peak	41.33	14.11	55.44	74.00	-18.56
11160.00	Average	24.37	19.71	44.08	54.00	-9.92
11160.00	Peak	34.56	19.71	54.27	74.00	-19.73

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5700 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



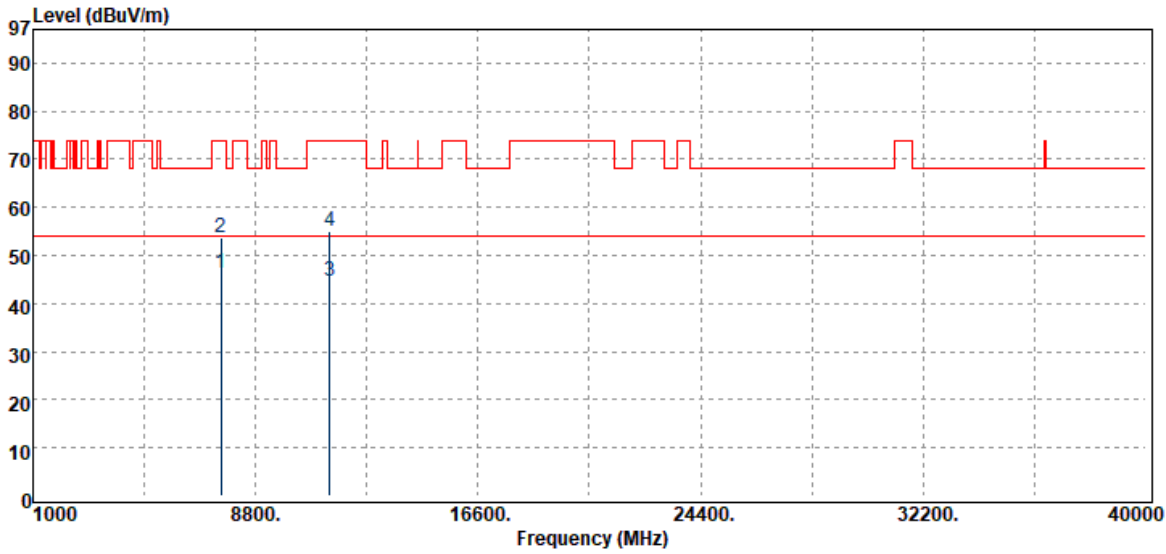
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7600.00	Average	38.80	12.69	51.49	54.00	-2.51
7600.00	Peak	43.00	12.69	55.69	74.00	-18.31
11400.00	Average	24.06	21.10	45.16	54.00	-8.84
11400.00	Peak	34.27	21.10	55.37	74.00	-18.63

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B3  
Test Channel :5700 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



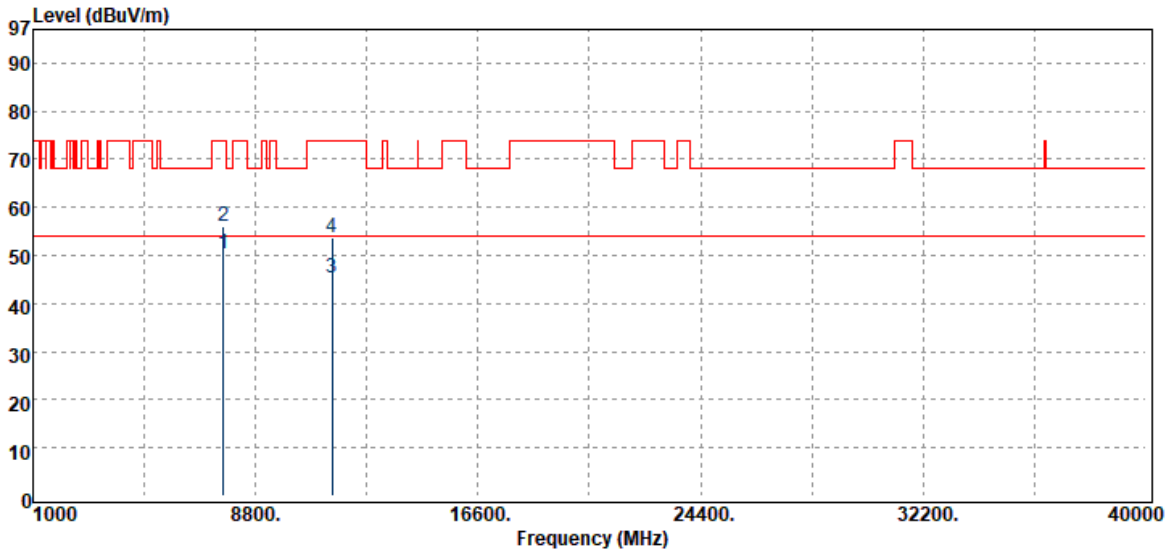
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7600.00	Average	33.73	12.69	46.42	54.00	-7.58
7600.00	Peak	41.00	12.69	53.69	74.00	-20.31
11400.00	Average	23.55	21.10	44.65	54.00	-9.35
11400.00	Peak	34.08	21.10	55.18	74.00	-18.82

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5745 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7660.00	Average	36.80	13.64	50.44	54.00	-3.56
7660.00	Peak	42.42	13.64	56.06	74.00	-17.94
11490.00	Average	25.66	19.66	45.32	54.00	-8.68
11490.00	Peak	34.01	19.66	53.67	74.00	-20.33

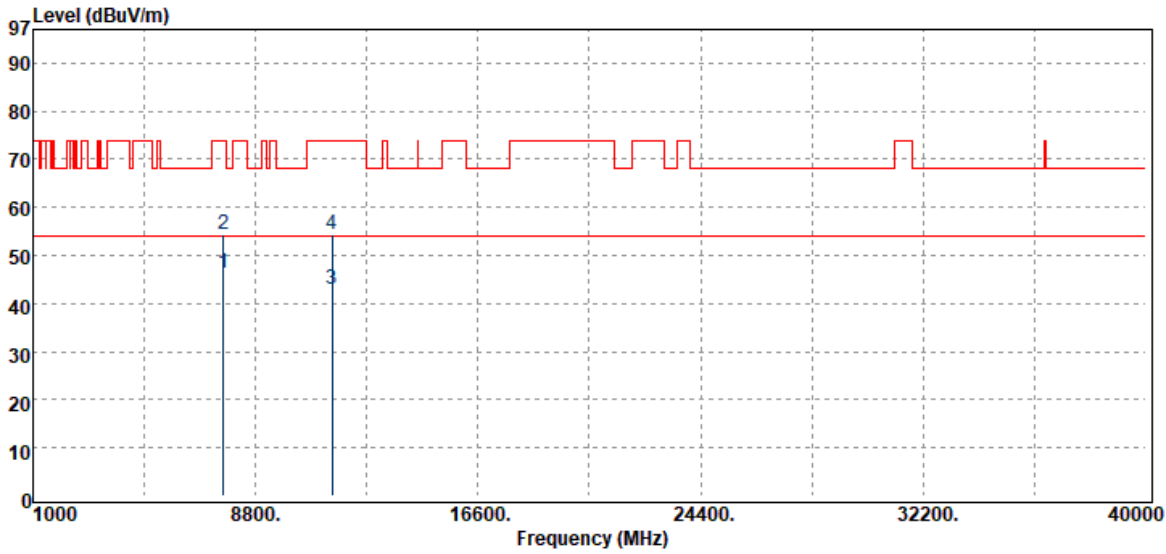
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5745 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7660.00	Average	32.70	13.64	46.34	54.00	-7.66
7660.00	Peak	40.89	13.64	54.53	74.00	-19.47
11490.00	Average	23.27	19.66	42.93	54.00	-11.07
11490.00	Peak	34.76	19.66	54.42	74.00	-19.58

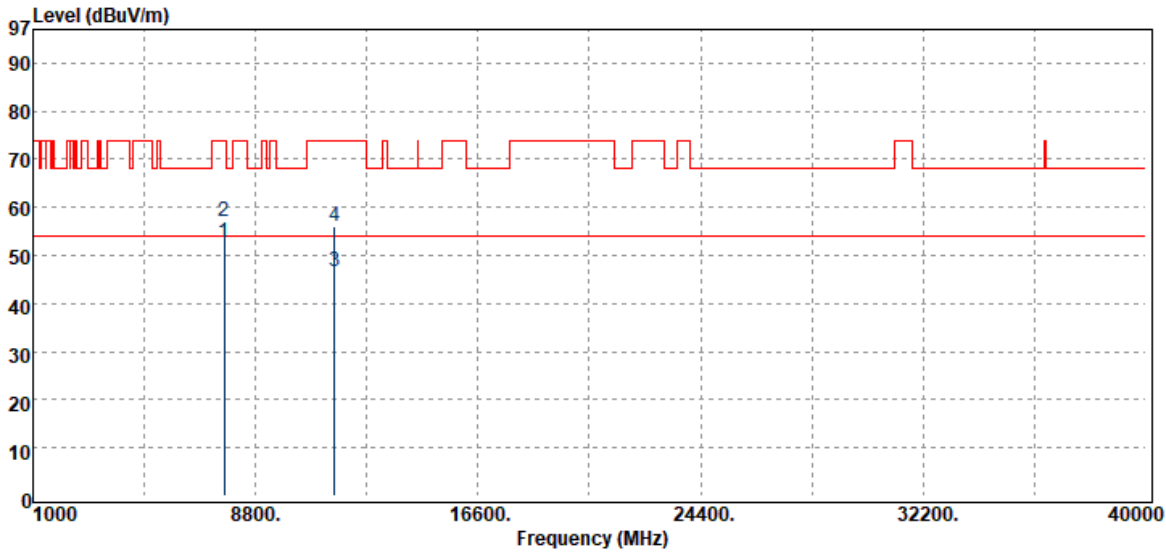
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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



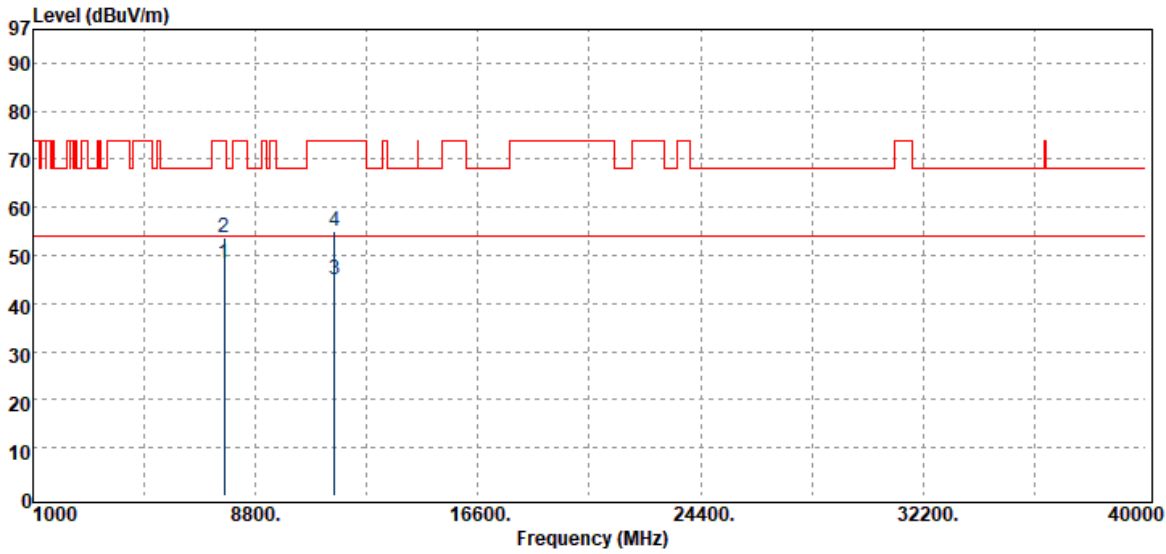
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7713.00	Average	38.56	14.11	52.67	54.00	-1.33
7713.00	Peak	43.01	14.11	57.12	74.00	-16.88
11570.00	Average	25.74	20.93	46.67	54.00	-7.33
11570.00	Peak	35.20	20.93	56.13	74.00	-17.87

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



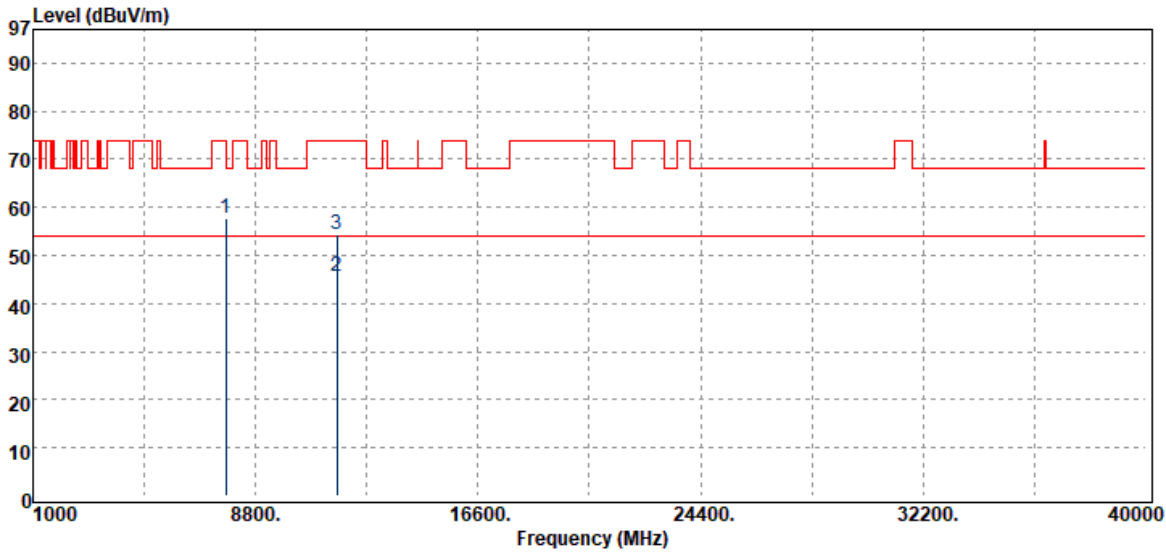
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7713.00	Average	34.26	14.11	48.37	54.00	-5.63
7713.00	Peak	39.58	14.11	53.69	74.00	-20.31
11570.00	Average	23.94	20.93	44.87	54.00	-9.13
11570.00	Peak	33.99	20.93	54.92	74.00	-19.08

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5825 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



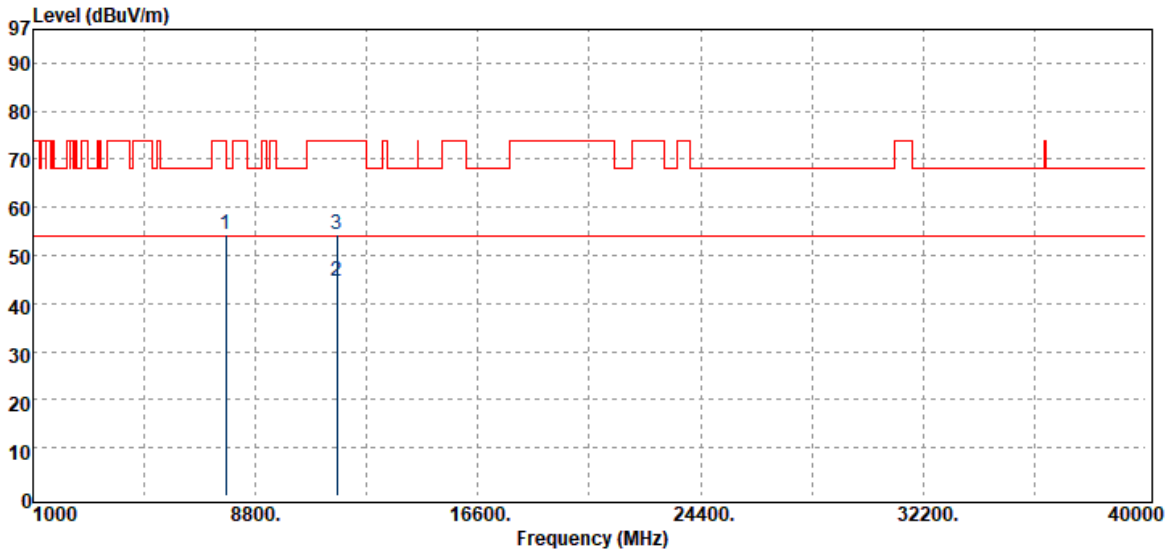
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7766.00	Peak	44.47	13.19	57.66	68.20	-10.54
11650.00	Average	25.73	20.07	45.80	54.00	-8.20
11650.00	Peak	34.19	20.07	54.26	74.00	-19.74

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Report Number :ER/2019/B0067  
Operation Mode :802.11a B4  
Test Channel :5825 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



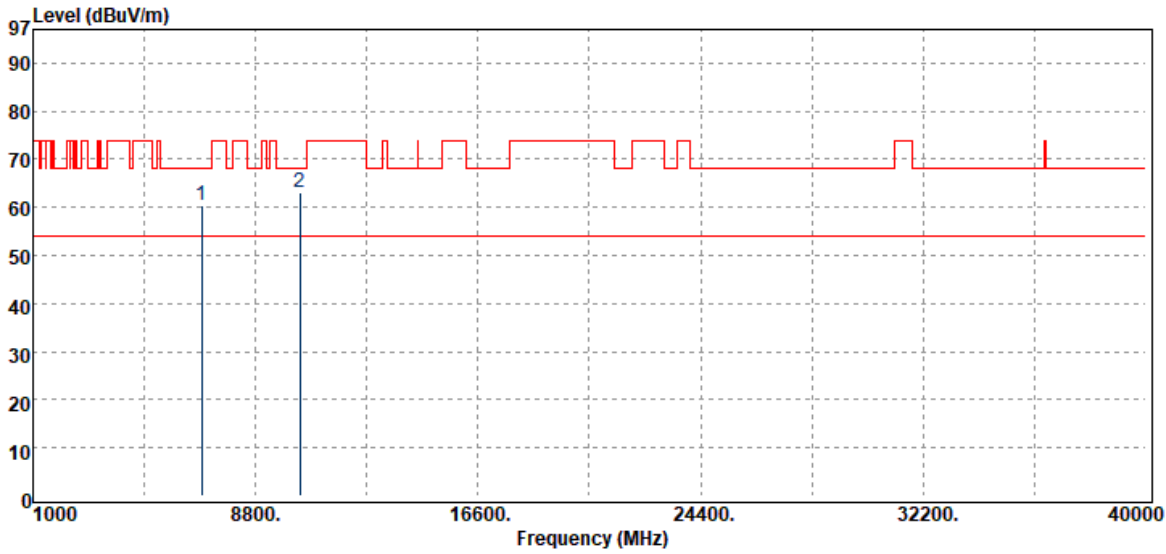
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7766.00	Peak	41.24	13.19	54.43	68.20	-13.77
11650.00	Average	24.40	20.07	44.47	54.00	-9.53
11650.00	Peak	34.33	20.07	54.40	74.00	-19.60

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20 B1  
 Test Channel :5180 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-27  
 Temp./Humi. :21.7/53  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6907.00	Peak	48.28	12.11	60.39	68.20	-7.81
10360.00	Peak	44.37	18.72	63.09	68.20	-5.11

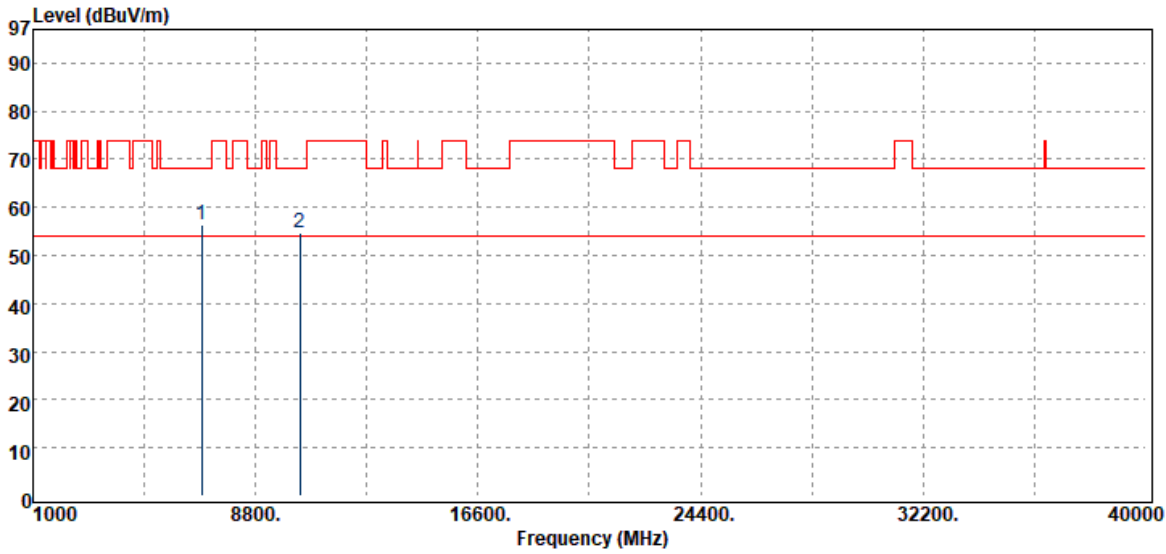
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B1  
Test Channel :5180 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



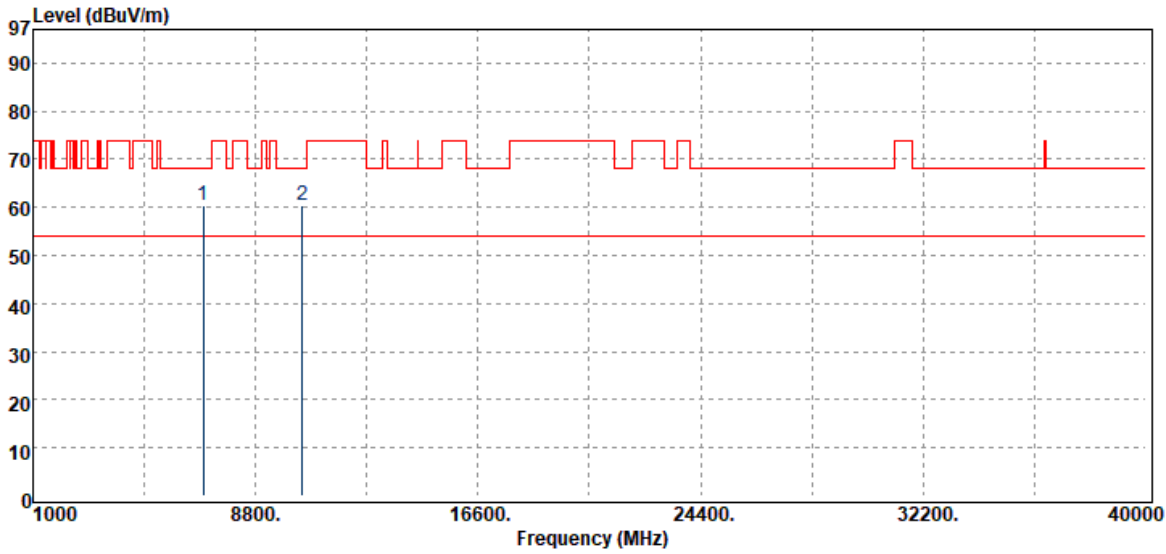
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6907.00	Peak	44.14	12.11	56.25	68.20	-11.95
10360.00	Peak	35.90	18.72	54.62	68.20	-13.58

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



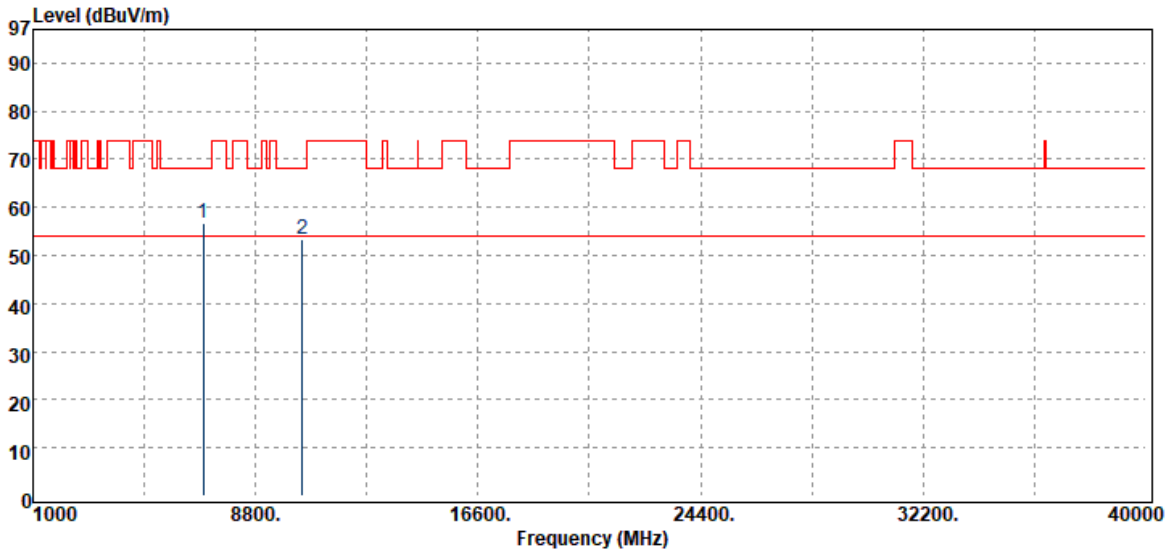
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6960.00	Peak	48.83	11.47	60.30	68.20	-7.90
10440.00	Peak	41.99	18.53	60.52	68.20	-7.68

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B1  
Test Channel :5220 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6960.00	Peak	45.09	11.47	56.56	68.20	-11.64
10440.00	Peak	34.94	18.53	53.47	68.20	-14.73

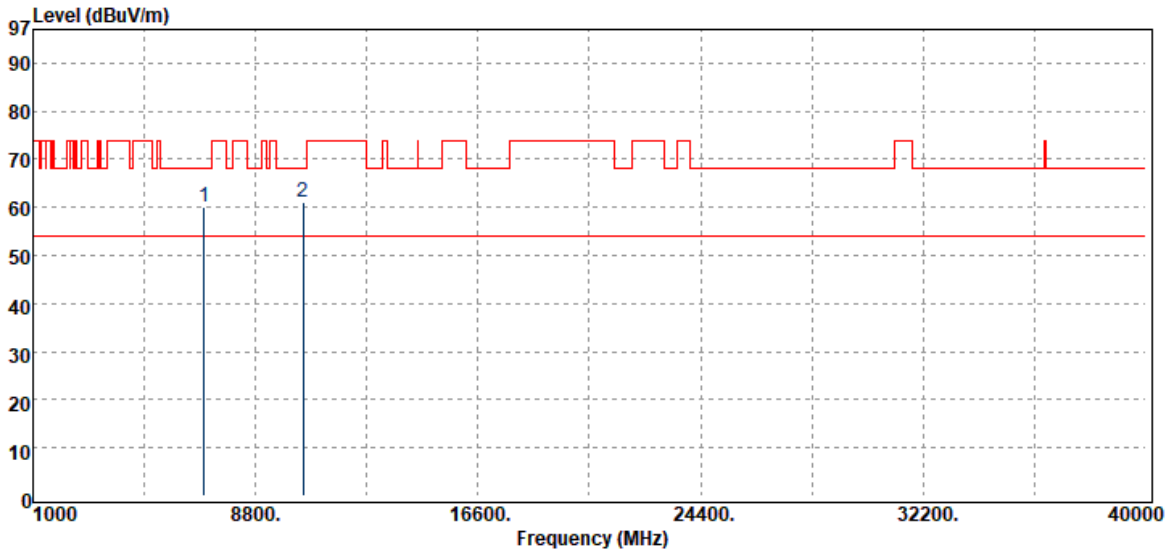
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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20 B1  
 Test Channel :5240 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-27  
 Temp./Humi. :21.7/53  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6987.00	Peak	48.81	11.16	59.97	68.20	-8.23
10480.00	Peak	43.21	17.83	61.04	68.20	-7.16

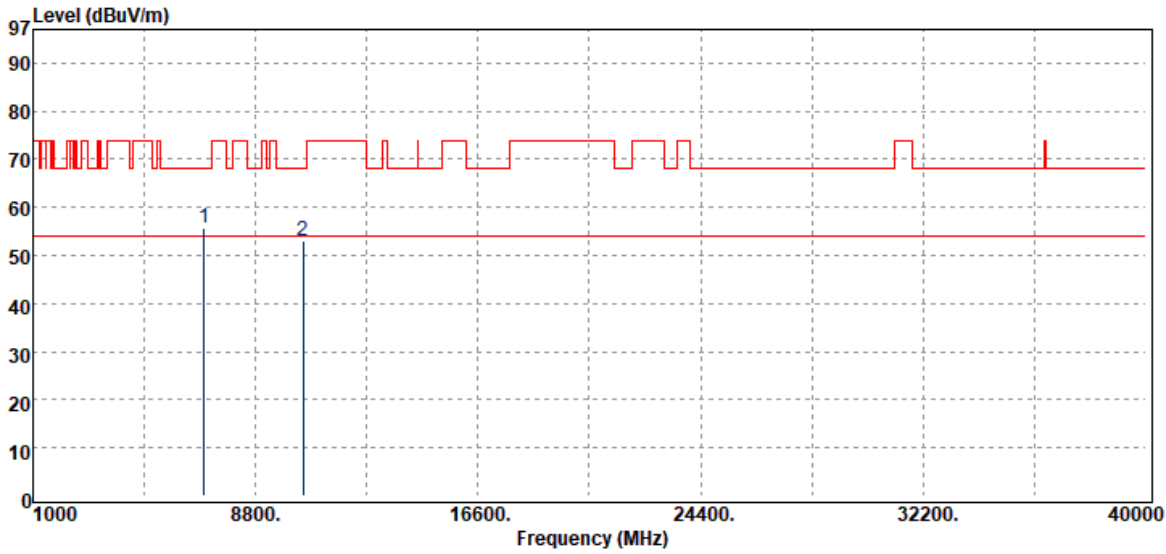
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B1  
Test Channel :5240 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



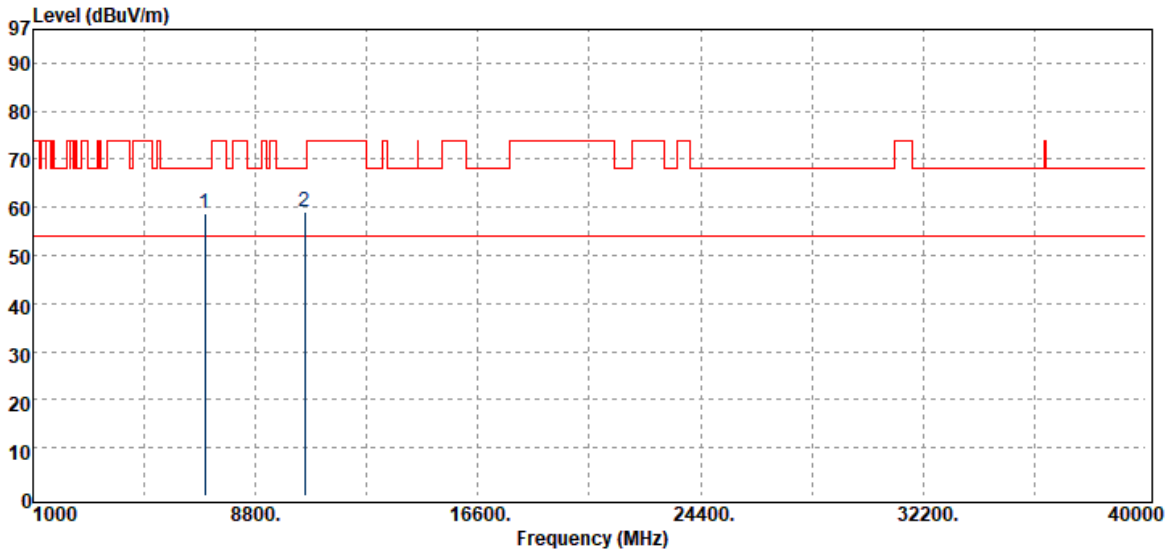
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6987.00	Peak	44.65	11.16	55.81	68.20	-12.39
10480.00	Peak	35.05	17.83	52.88	68.20	-15.32

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B2  
Test Channel :5260 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



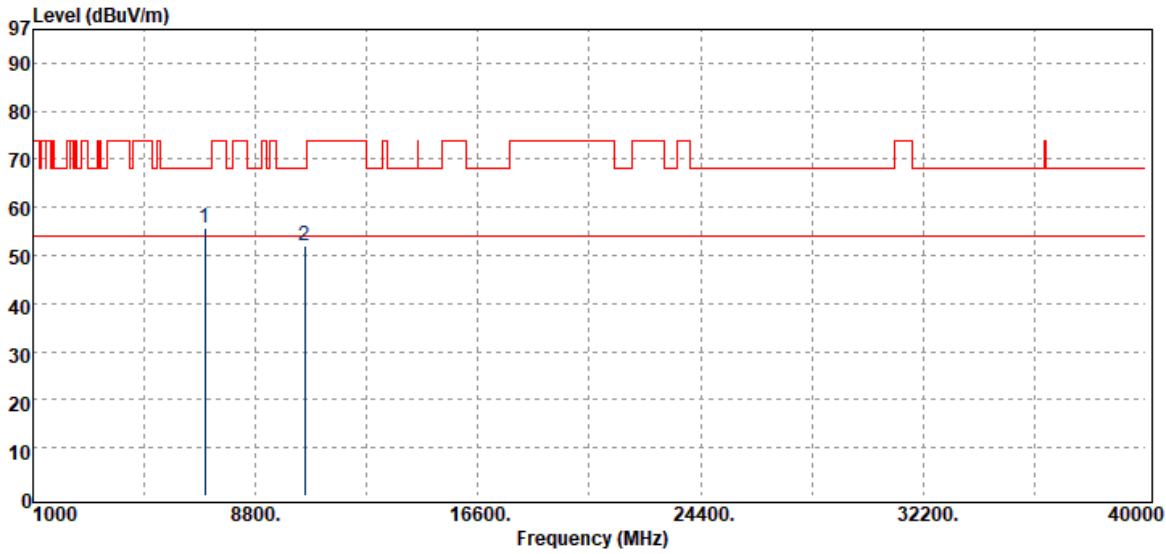
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7013.00	Peak	47.40	11.23	58.63	68.20	-9.57
10520.00	Peak	41.03	18.05	59.08	68.20	-9.12

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20 B2  
 Test Channel :5260 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-27  
 Temp./Humi. :21.7/53  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7013.00	Peak	44.32	11.23	55.55	68.20	-12.65
10520.00	Peak	34.11	18.05	52.16	68.20	-16.04

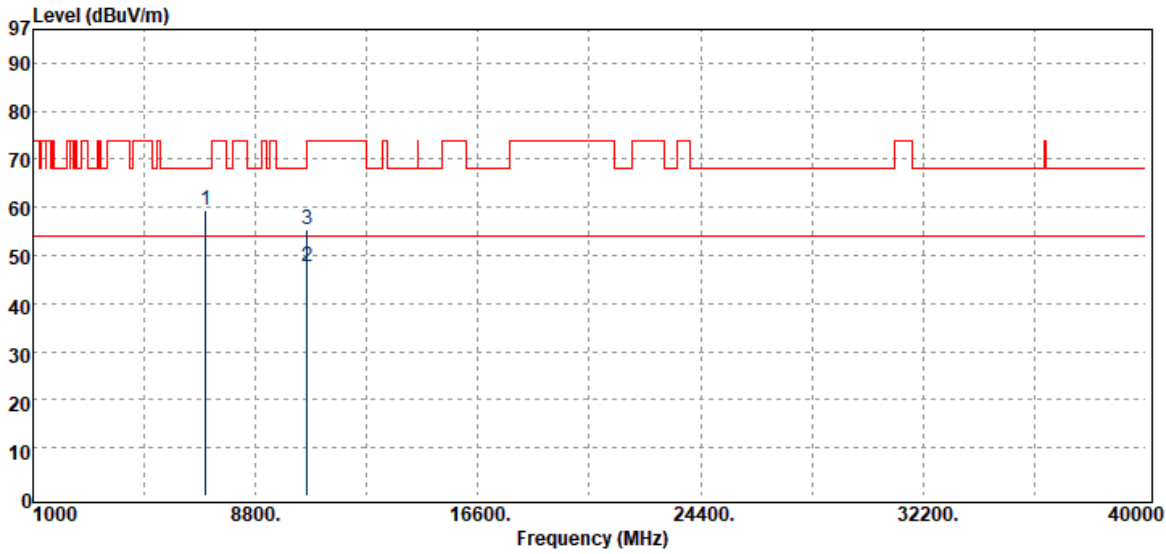
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



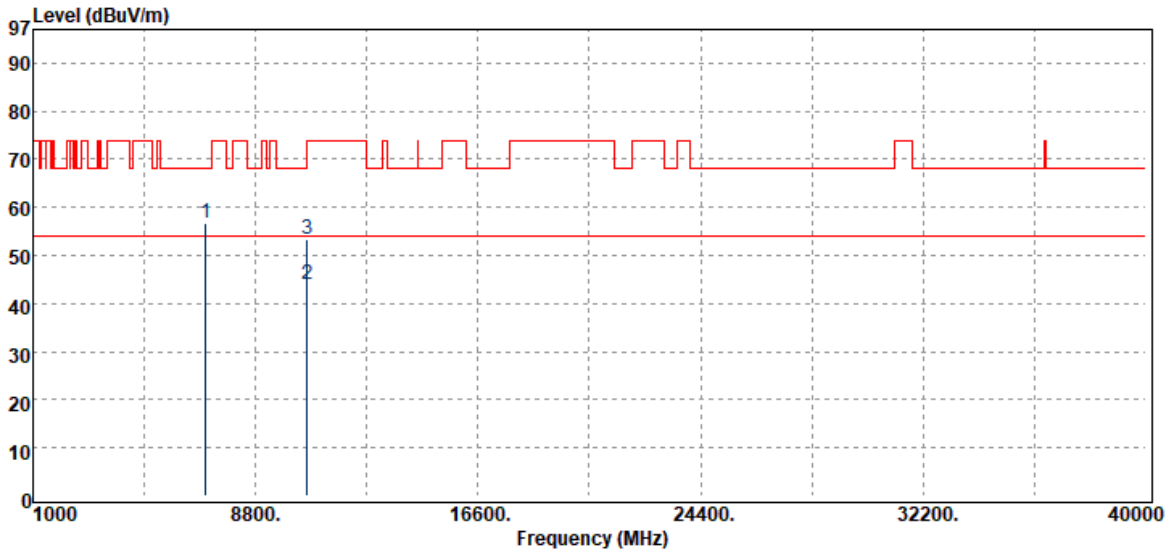
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7067.00	Peak	47.37	12.08	59.45	68.20	-8.75
10600.00	Average	28.55	19.18	47.73	54.00	-6.27
10600.00	Peak	36.17	19.18	55.35	74.00	-18.65

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B2  
Test Channel :5300 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



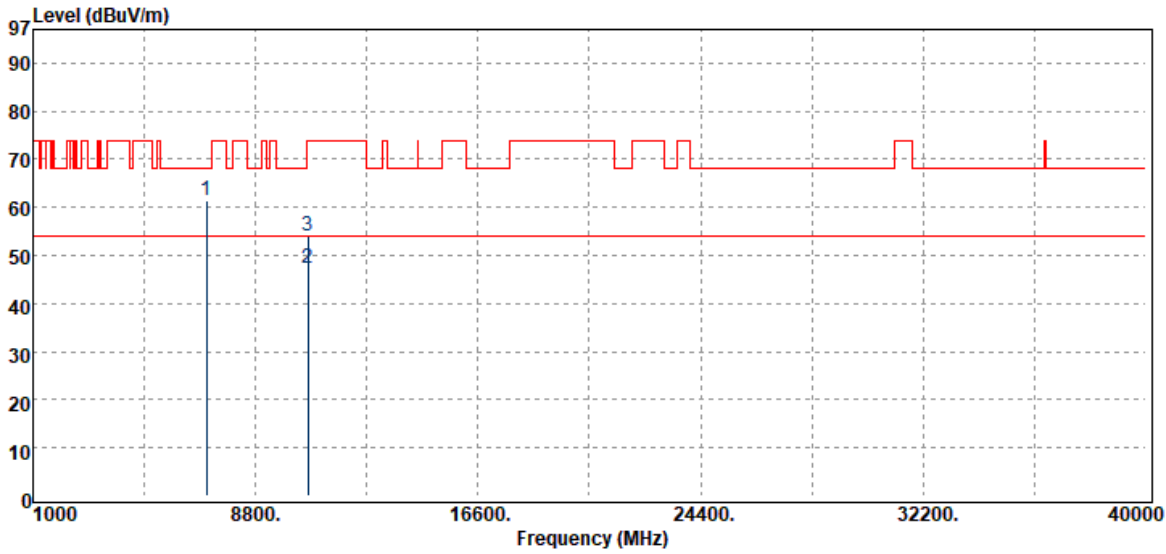
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7067.00	Peak	44.76	12.08	56.84	68.20	-11.36
10600.00	Average	24.78	19.18	43.96	54.00	-10.04
10600.00	Peak	34.14	19.18	53.32	74.00	-20.68

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B2  
Test Channel :5320 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-27  
Temp./Humi. :21.7/53  
Antenna Pol. :VERTICAL  
Engineer :Thomas



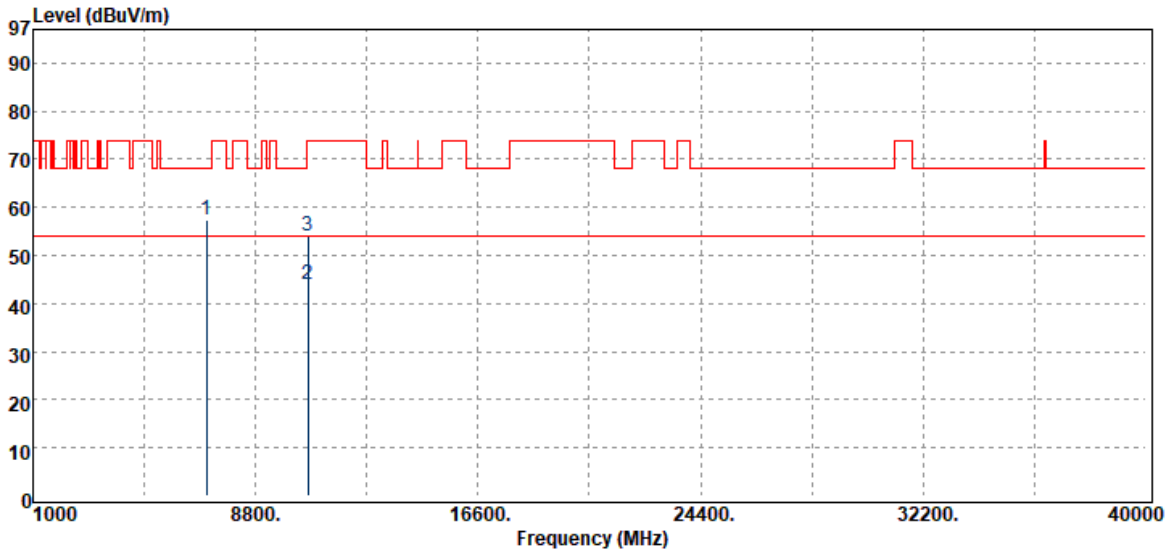
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7093.00	Peak	48.50	12.90	61.40	68.20	-6.80
10640.00	Average	27.69	19.49	47.18	54.00	-6.82
10640.00	Peak	34.54	19.49	54.03	74.00	-19.97

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20 B2  
 Test Channel :5320 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-30  
 Temp./Humi. :22.5/67  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7093.00	Peak	44.50	12.90	57.40	68.20	-10.80
10640.00	Average	24.49	19.49	43.98	54.00	-10.02
10640.00	Peak	34.56	19.49	54.05	74.00	-19.95

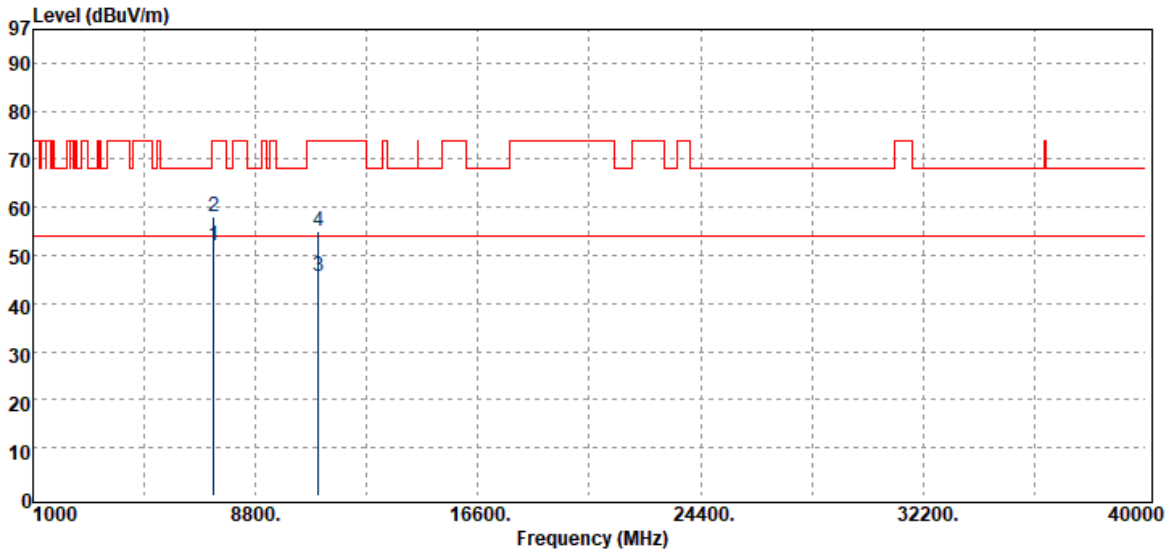
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5500 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7333.00	Average	37.72	14.33	52.05	54.00	-1.95
7333.00	Peak	43.61	14.33	57.94	74.00	-16.06
11000.00	Average	25.30	20.49	45.79	54.00	-8.21
11000.00	Peak	34.47	20.49	54.96	74.00	-19.04

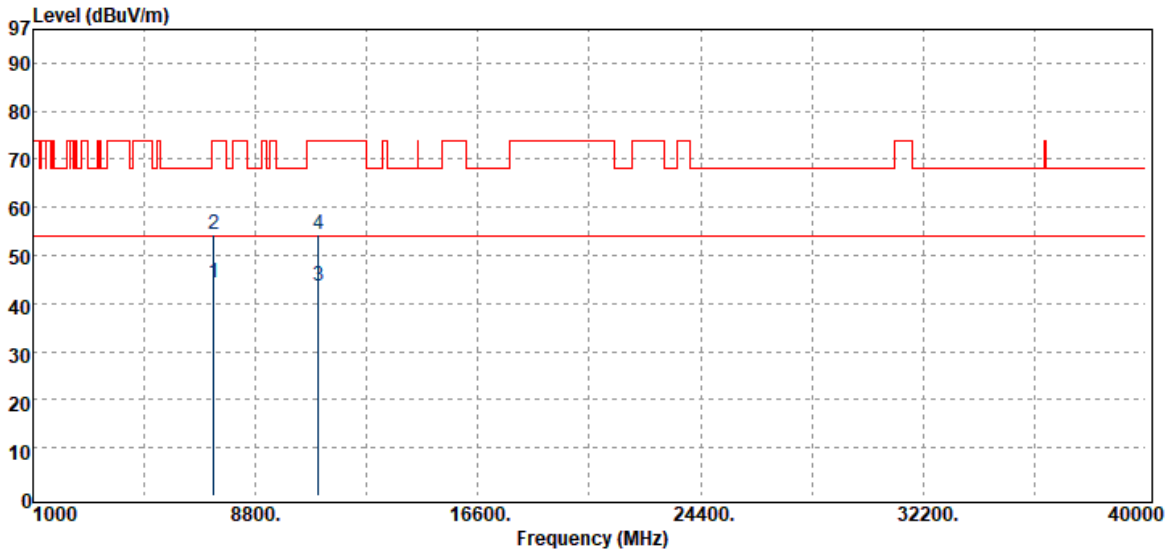
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5500 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-01-31  
Temp./Humi. :17.6/52  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



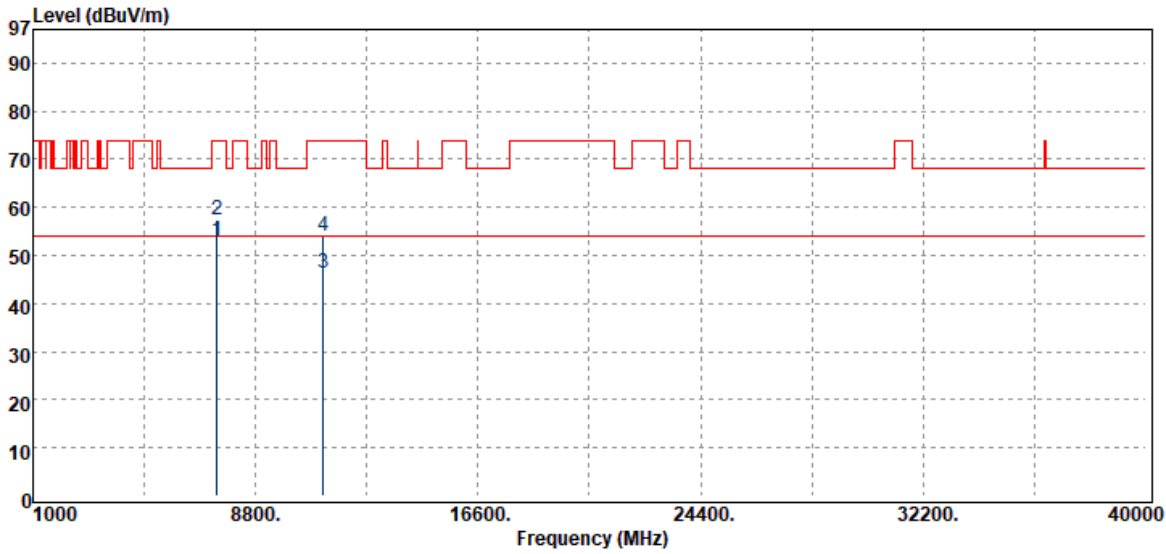
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7333.00	Average	30.06	14.33	44.39	54.00	-9.61
7333.00	Peak	39.89	14.33	54.22	74.00	-19.78
11000.00	Average	23.20	20.49	43.69	54.00	-10.31
11000.00	Peak	33.85	20.49	54.34	74.00	-19.66

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



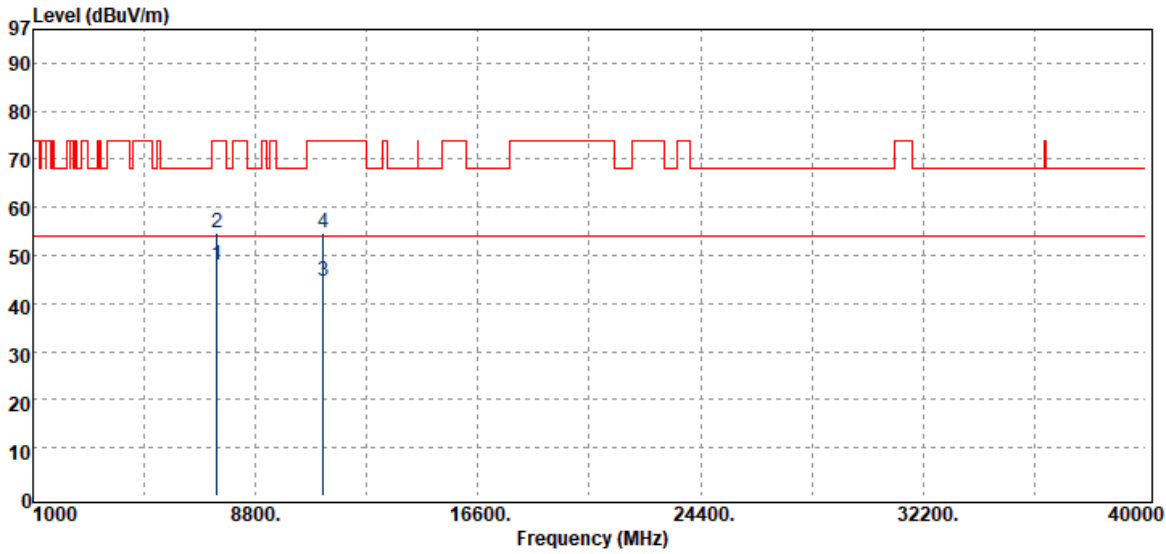
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7440.00	Average	38.88	14.11	52.99	54.00	-1.01
7440.00	Peak	43.41	14.11	57.52	74.00	-16.48
11160.00	Average	26.54	19.71	46.25	54.00	-7.75
11160.00	Peak	34.22	19.71	53.93	74.00	-20.07

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5580 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



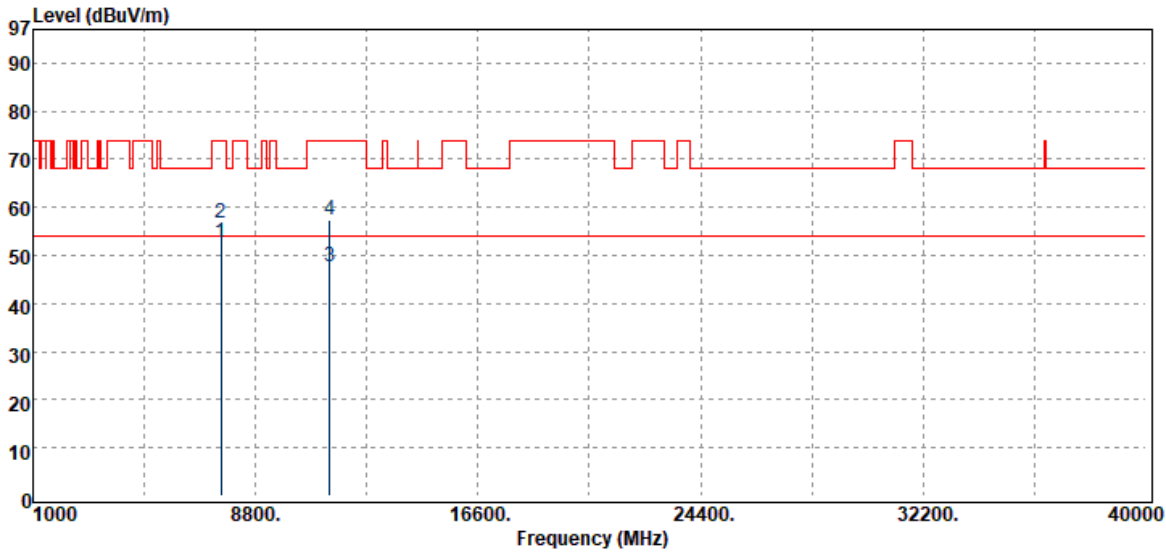
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7440.00	Average	34.00	14.11	48.11	54.00	-5.89
7440.00	Peak	40.70	14.11	54.81	74.00	-19.19
11160.00	Average	24.81	19.71	44.52	54.00	-9.48
11160.00	Peak	35.08	19.71	54.79	74.00	-19.21

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5700 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



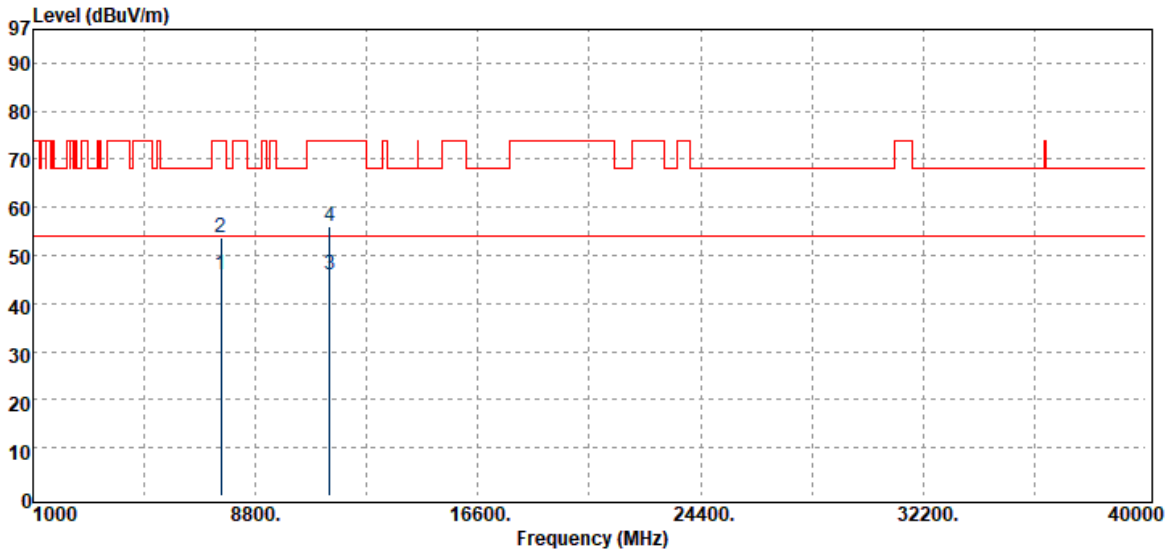
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7600.00	Average	39.84	12.69	52.53	54.00	-1.47
7600.00	Peak	44.00	12.69	56.69	74.00	-17.31
11400.00	Average	26.51	21.10	47.61	54.00	-6.39
11400.00	Peak	36.20	21.10	57.30	74.00	-16.70

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B3  
Test Channel :5700 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



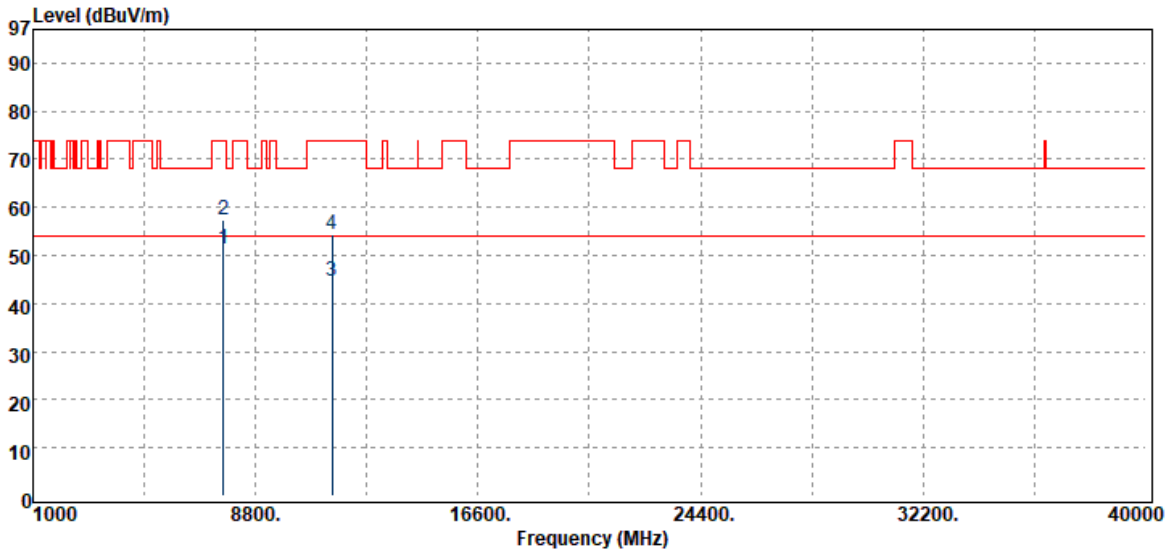
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7600.00	Average	33.30	12.69	45.99	54.00	-8.01
7600.00	Peak	41.05	12.69	53.74	74.00	-20.26
11400.00	Average	24.72	21.10	45.82	54.00	-8.18
11400.00	Peak	35.06	21.10	56.16	74.00	-17.84

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5745 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



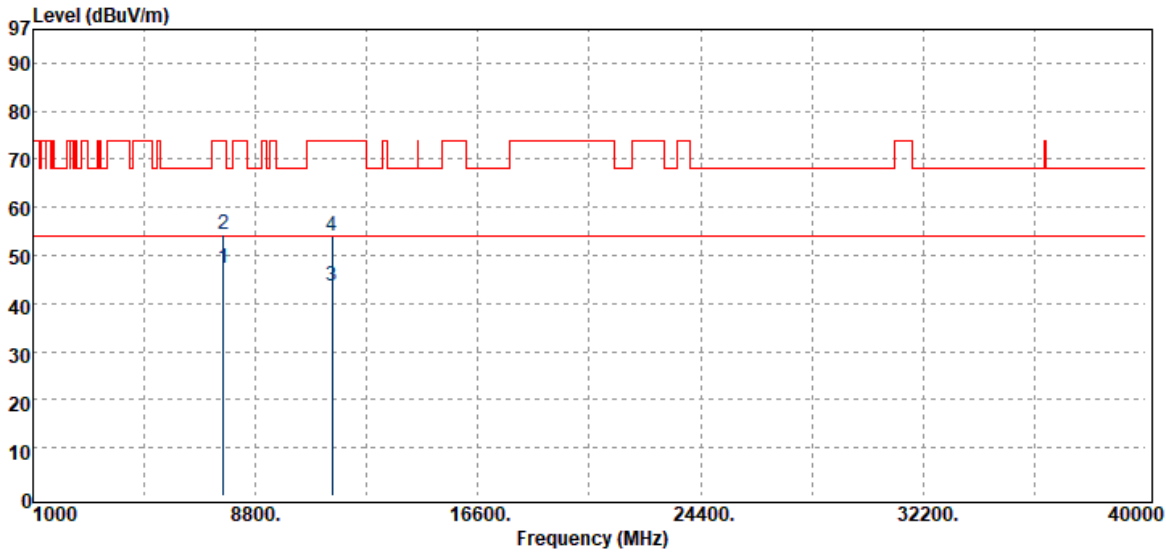
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7660.00	Average	37.60	13.64	51.24	54.00	-2.76
7660.00	Peak	43.70	13.64	57.34	74.00	-16.66
11490.00	Average	25.08	19.66	44.74	54.00	-9.26
11490.00	Peak	34.83	19.66	54.49	74.00	-19.51

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5745 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7660.00	Average	33.79	13.64	47.43	54.00	-6.57
7660.00	Peak	40.88	13.64	54.52	74.00	-19.48
11490.00	Average	23.88	19.66	43.54	54.00	-10.46
11490.00	Peak	34.42	19.66	54.08	74.00	-19.92

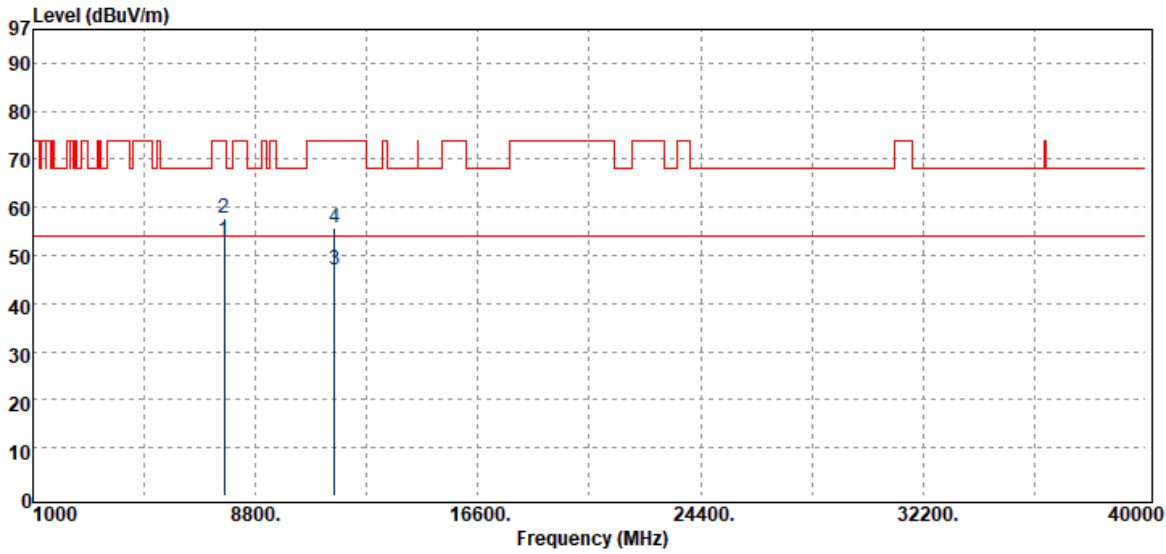
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



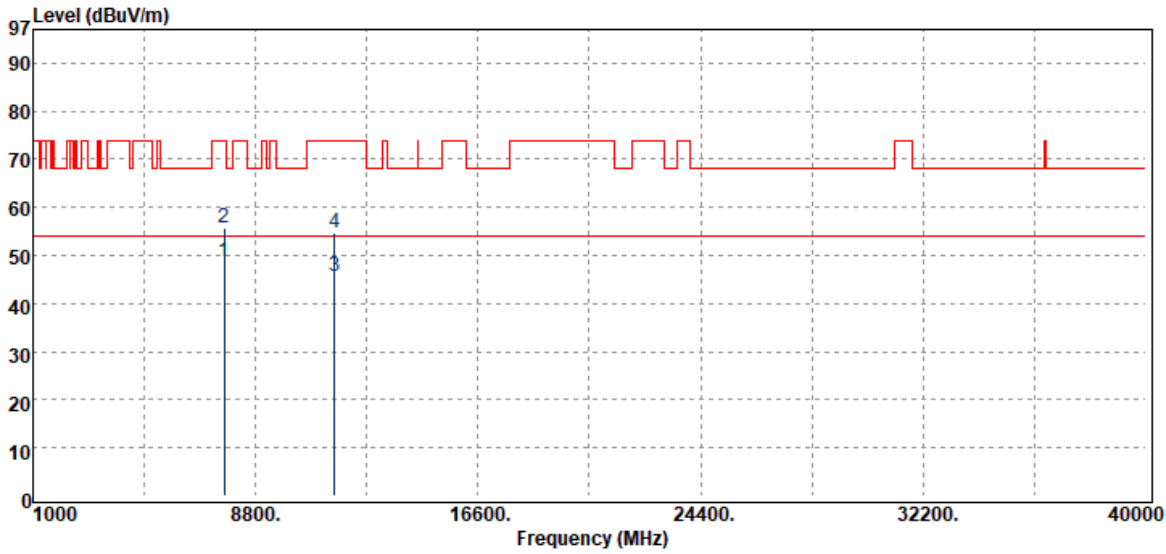
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7713.00	Average	38.81	14.11	52.92	54.00	-1.08
7713.00	Peak	43.54	14.11	57.65	74.00	-16.35
11570.00	Average	25.89	20.93	46.82	54.00	-7.18
11570.00	Peak	34.72	20.93	55.65	74.00	-18.35

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5785 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



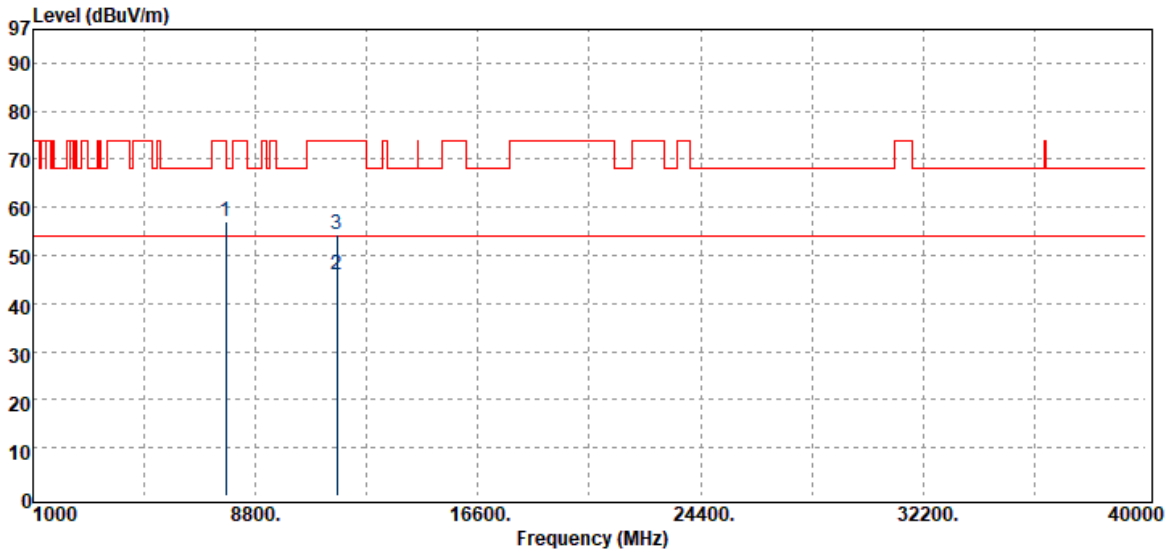
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7713.00	Average	34.56	14.11	48.67	54.00	-5.33
7713.00	Peak	41.56	14.11	55.67	74.00	-18.33
11570.00	Average	24.56	20.93	45.49	54.00	-8.51
11570.00	Peak	33.67	20.93	54.60	74.00	-19.40

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20 B4  
Test Channel :5825 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



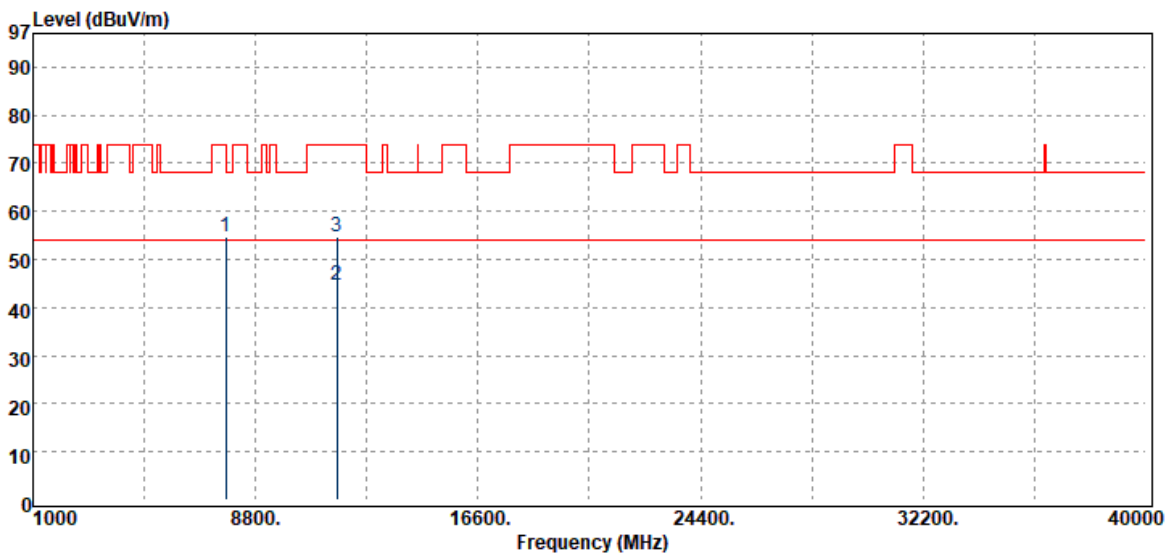
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7767.00	Peak	44.00	13.17	57.17	68.20	-11.03
11650.00	Average	25.76	20.07	45.83	54.00	-8.17
11650.00	Peak	34.26	20.07	54.33	74.00	-19.67

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20 B4  
 Test Channel :5825 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-30  
 Temp./Humi. :22.5/67  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7767.00	Peak	41.66	13.17	54.83	68.20	-13.37
11650.00	Average	24.47	20.07	44.54	54.00	-9.46
11650.00	Peak	34.72	20.07	54.79	74.00	-19.21

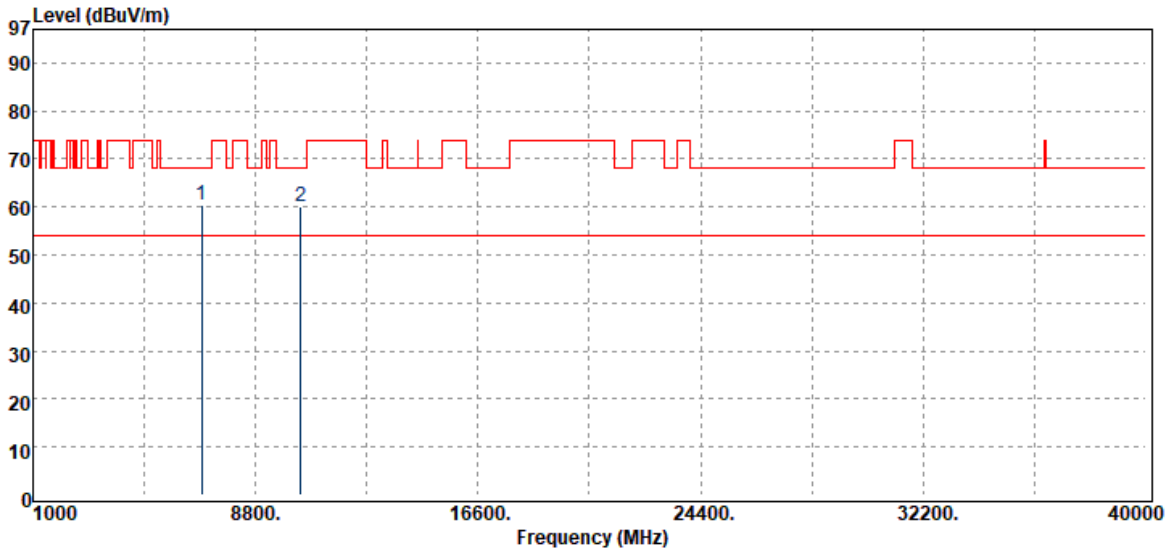
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B1  
Test Channel :5190 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



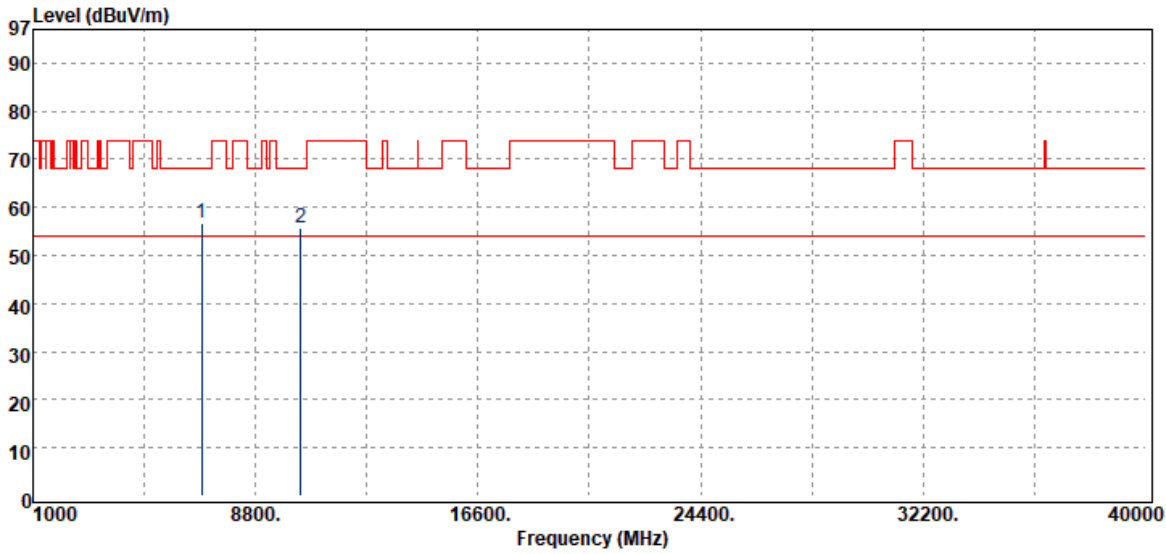
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6920.00	Peak	48.62	11.91	60.53	68.20	-7.67
10380.00	Peak	41.01	19.00	60.01	68.20	-8.19

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B1  
Test Channel :5190 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



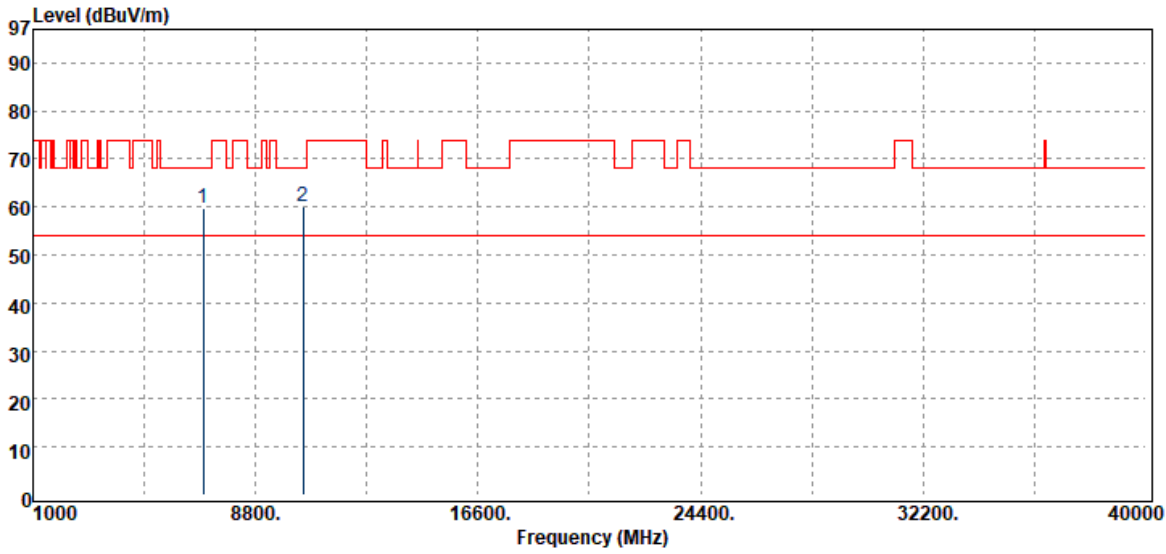
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6920.00	Peak	44.89	11.91	56.80	68.20	-11.40
10380.00	Peak	36.70	19.00	55.70	68.20	-12.50

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B1  
Test Channel :5230 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



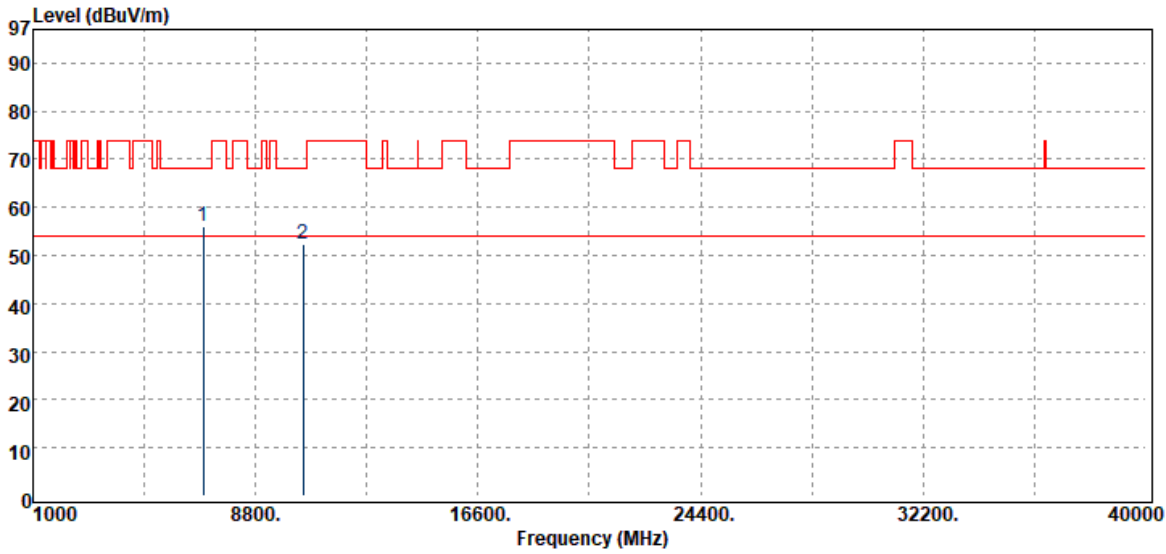
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6973.00	Peak	48.45	11.32	59.77	68.20	-8.43
10460.00	Peak	41.90	18.11	60.01	68.20	-8.19

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B1  
Test Channel :5230 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6973.00	Peak	44.62	11.32	55.94	68.20	-12.26
10460.00	Peak	34.29	18.11	52.40	68.20	-15.80

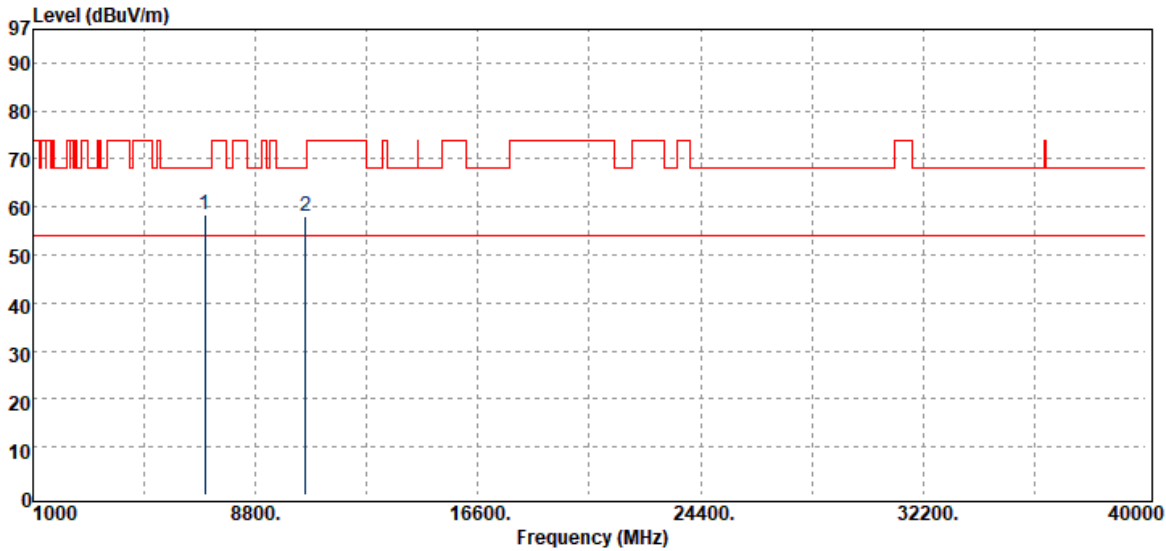
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B2  
Test Channel :5270 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



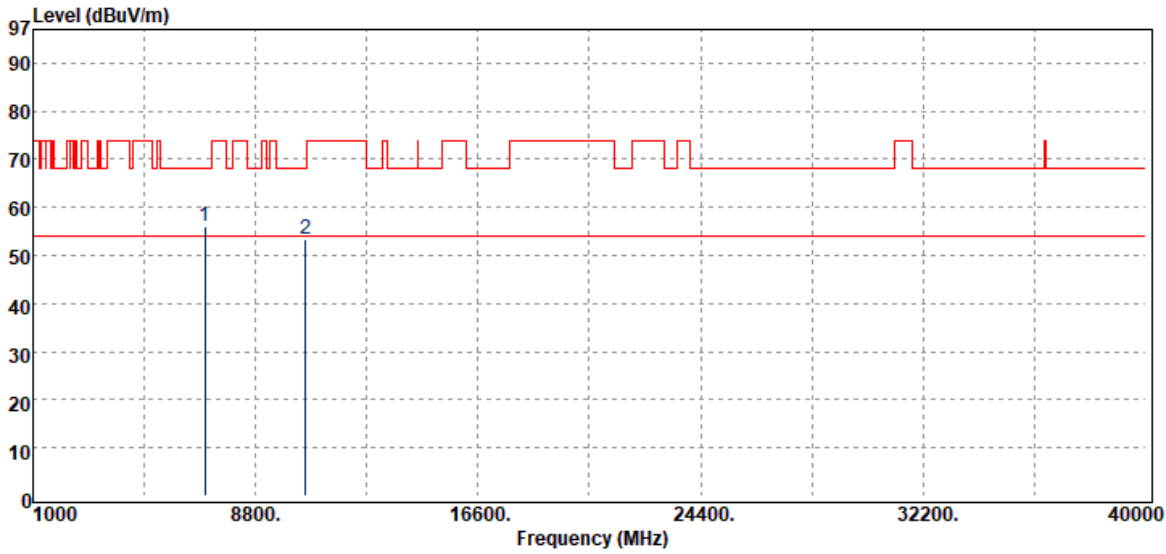
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7027.00	Peak	46.93	11.39	58.32	68.20	-9.88
10540.00	Peak	39.66	18.38	58.04	68.20	-10.16

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B2  
Test Channel :5270 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



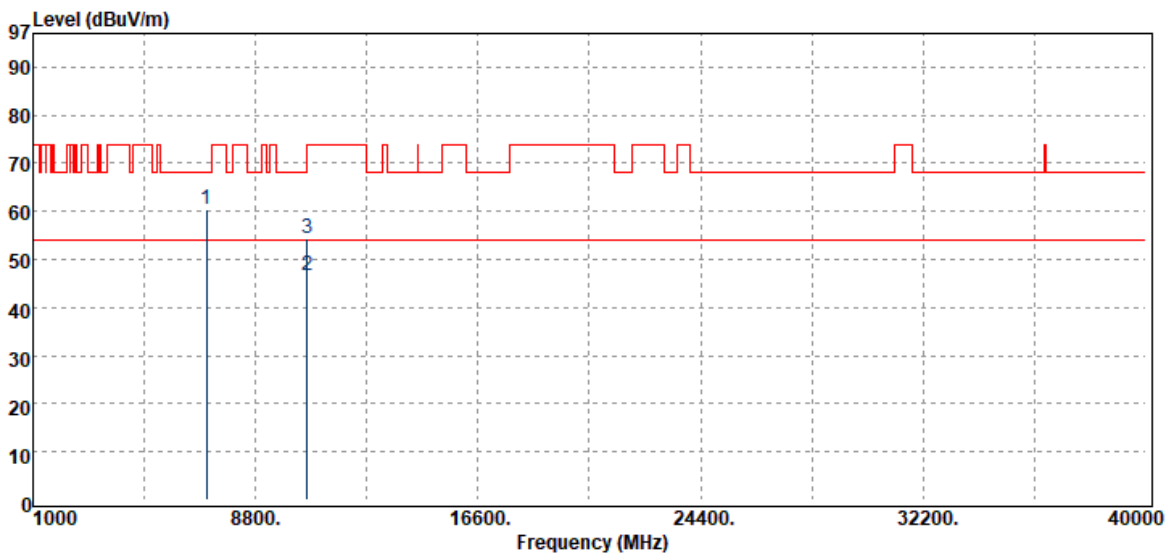
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7027.00	Peak	44.74	11.39	56.13	68.20	-12.07
10540.00	Peak	34.92	18.38	53.30	68.20	-14.90

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n40 B2  
 Test Channel :5310 MHz  
 Test Mode :Tx CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-30  
 Temp./Humi. :22.5/67  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
7080.00	Peak	47.92	12.50	60.42	68.20	-7.78
10620.00	Average	27.36	19.33	46.69	54.00	-7.31
10620.00	Peak	35.18	19.33	54.51	74.00	-19.49

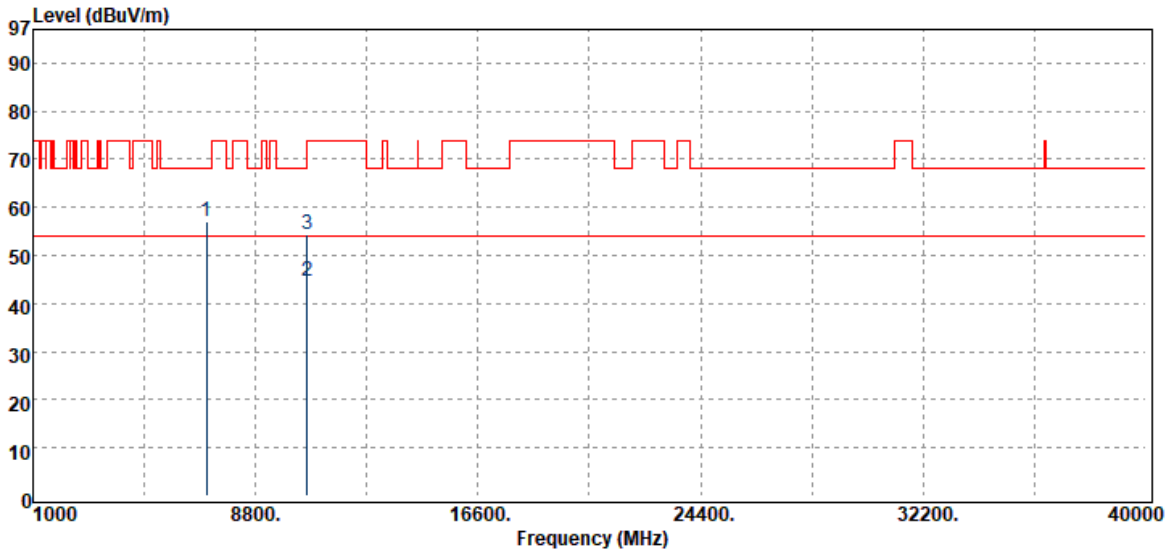
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B2  
Test Channel :5310 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7080.00	Peak	44.47	12.50	56.97	68.20	-11.23
10620.00	Average	25.28	19.33	44.61	54.00	-9.39
10620.00	Peak	34.96	19.33	54.29	74.00	-19.71

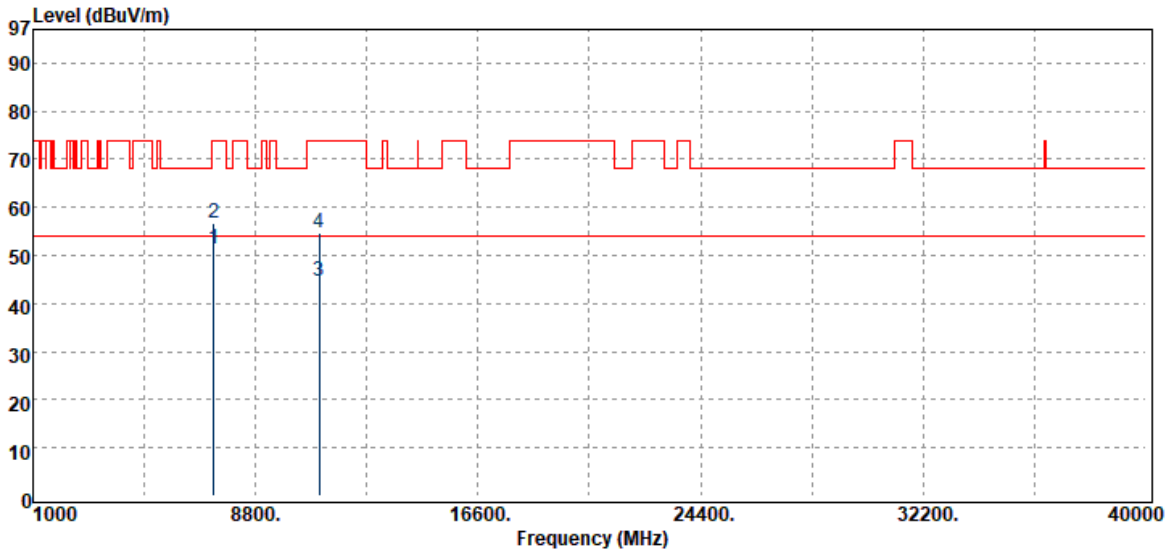
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5510 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7346.00	Average	37.01	14.18	51.19	54.00	-2.81
7346.00	Peak	42.51	14.18	56.69	74.00	-17.31
11020.00	Average	24.07	20.69	44.76	54.00	-9.24
11020.00	Peak	34.03	20.69	54.72	74.00	-19.28

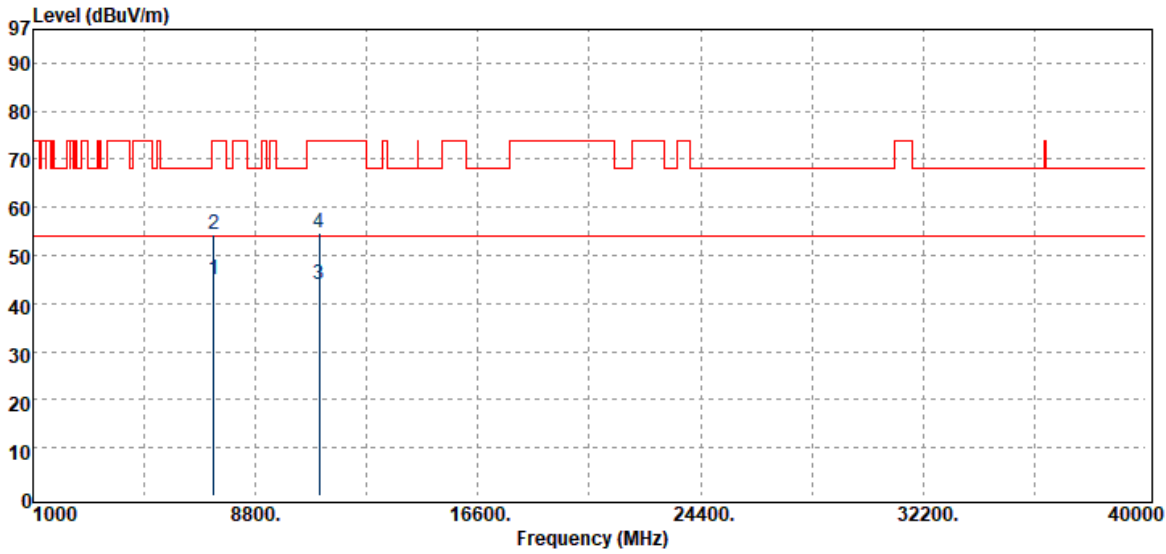
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5510 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



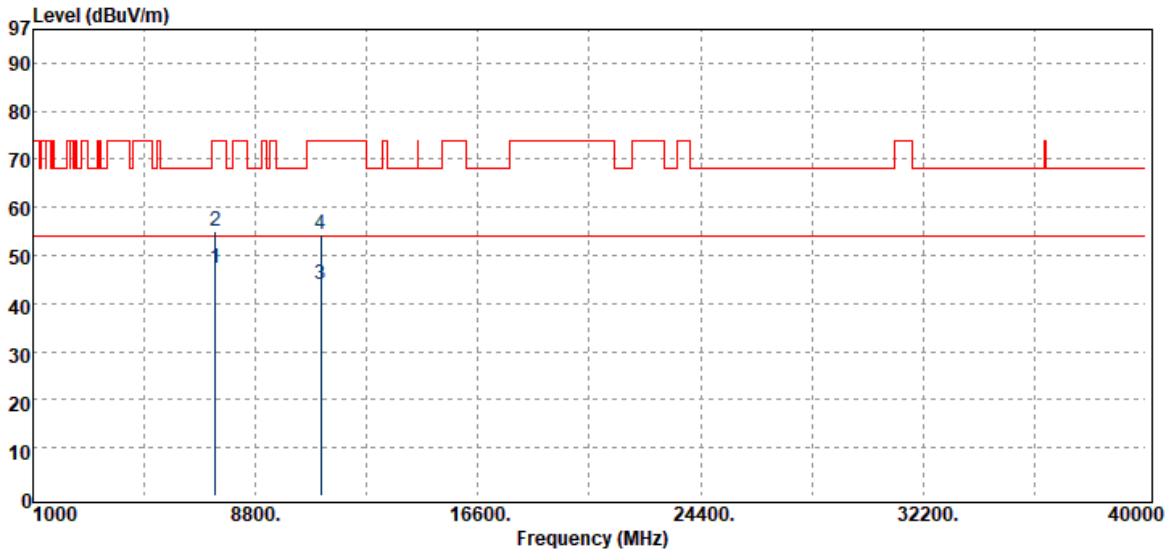
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7346.00	Average	30.71	14.18	44.89	54.00	-9.11
7346.00	Peak	40.04	14.18	54.22	74.00	-19.78
11020.00	Average	23.28	20.69	43.97	54.00	-10.03
11020.00	Peak	34.00	20.69	54.69	74.00	-19.31

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5550 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7400.00	Average	33.40	13.99	47.39	54.00	-6.61
7400.00	Peak	41.00	13.99	54.99	74.00	-19.01
11100.00	Average	24.21	19.75	43.96	54.00	-10.04
11100.00	Peak	34.54	19.75	54.29	74.00	-19.71

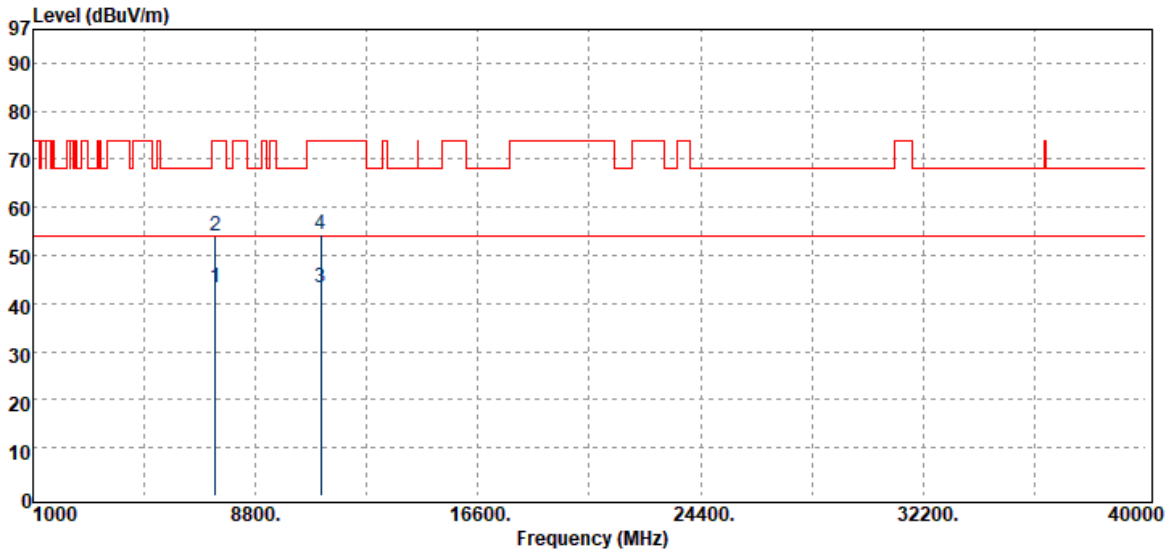
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5550 MHz  
Test Mode :Tx CH Mid  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7400.00	Average	29.20	13.99	43.19	54.00	-10.81
7400.00	Peak	40.11	13.99	54.10	74.00	-19.90
11100.00	Average	23.67	19.75	43.42	54.00	-10.58
11100.00	Peak	34.67	19.75	54.42	74.00	-19.58

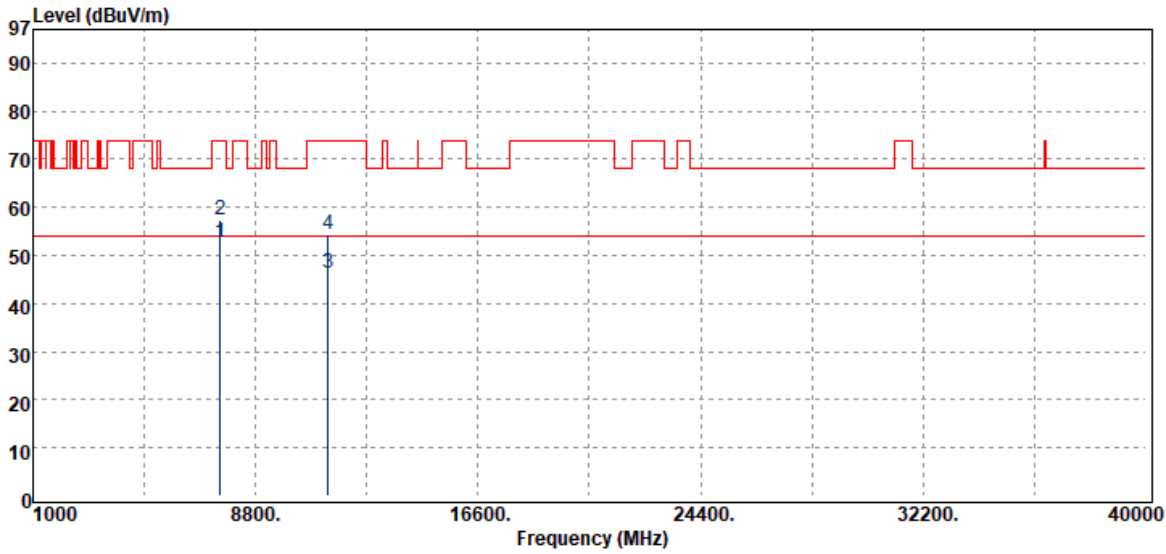
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5670 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



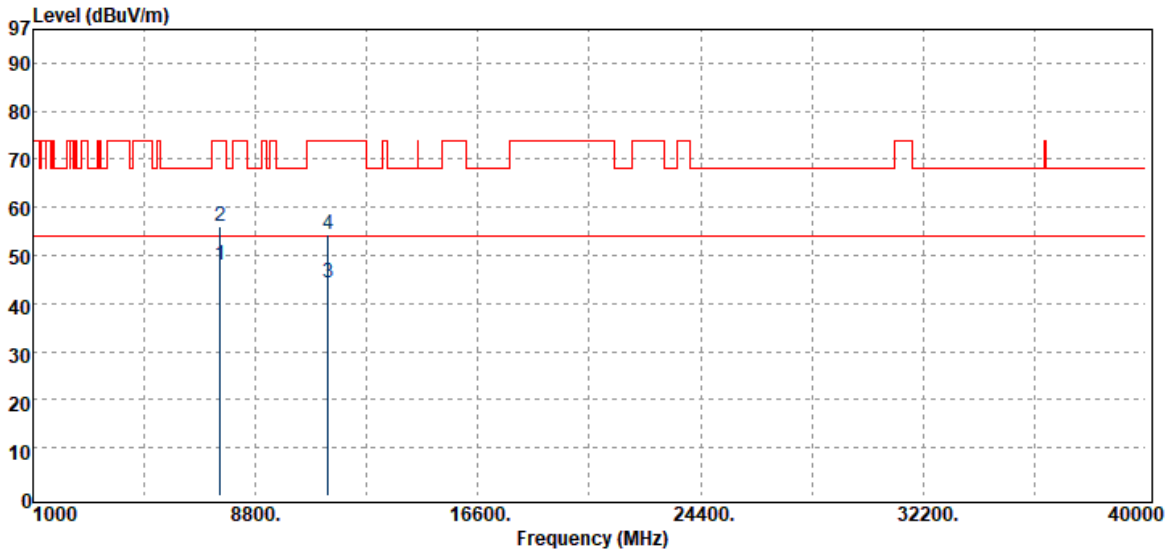
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7560.00	Average	39.22	13.44	52.66	54.00	-1.34
7560.00	Peak	44.11	13.44	57.55	74.00	-16.45
11340.00	Average	26.58	19.73	46.31	54.00	-7.69
11340.00	Peak	34.78	19.73	54.51	74.00	-19.49

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B3  
Test Channel :5670 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



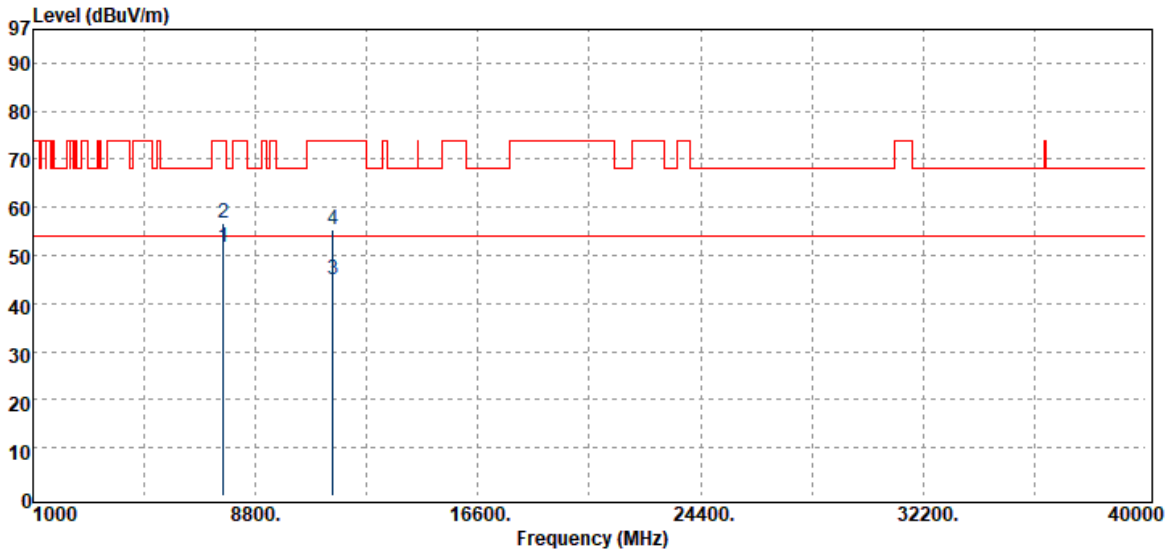
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7560.00	Average	34.56	13.44	48.00	54.00	-6.00
7560.00	Peak	42.77	13.44	56.21	74.00	-17.79
11340.00	Average	24.71	19.73	44.44	54.00	-9.56
11340.00	Peak	34.65	19.73	54.38	74.00	-19.62

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B4  
Test Channel :5755 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



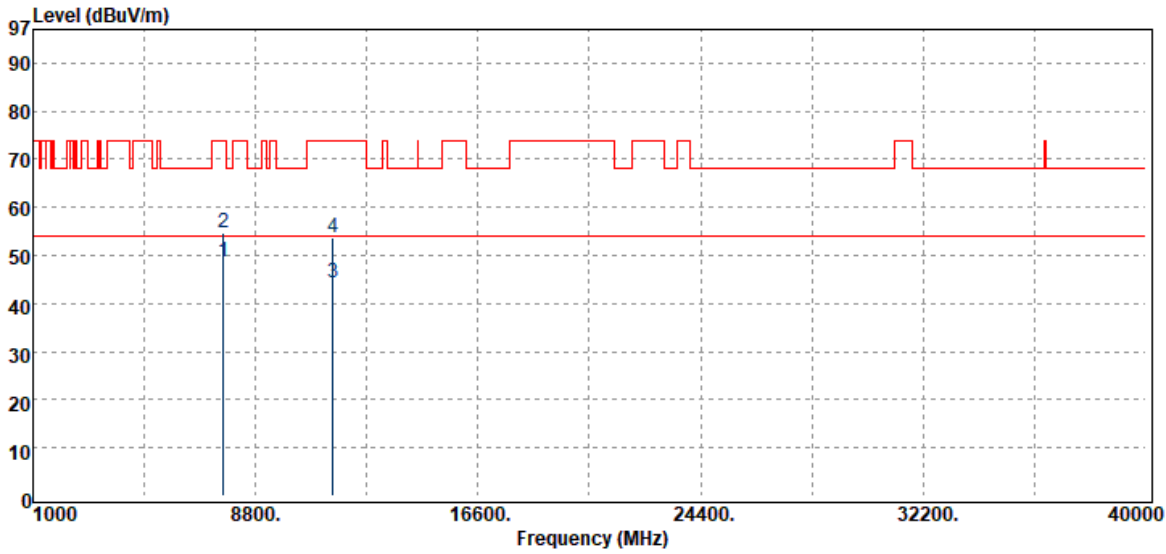
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7673.00	Average	37.80	13.85	51.65	54.00	-2.35
7673.00	Peak	42.96	13.85	56.81	74.00	-17.19
11510.00	Average	25.29	19.78	45.07	54.00	-8.93
11510.00	Peak	35.58	19.78	55.36	74.00	-18.64

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B4  
Test Channel :5755 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



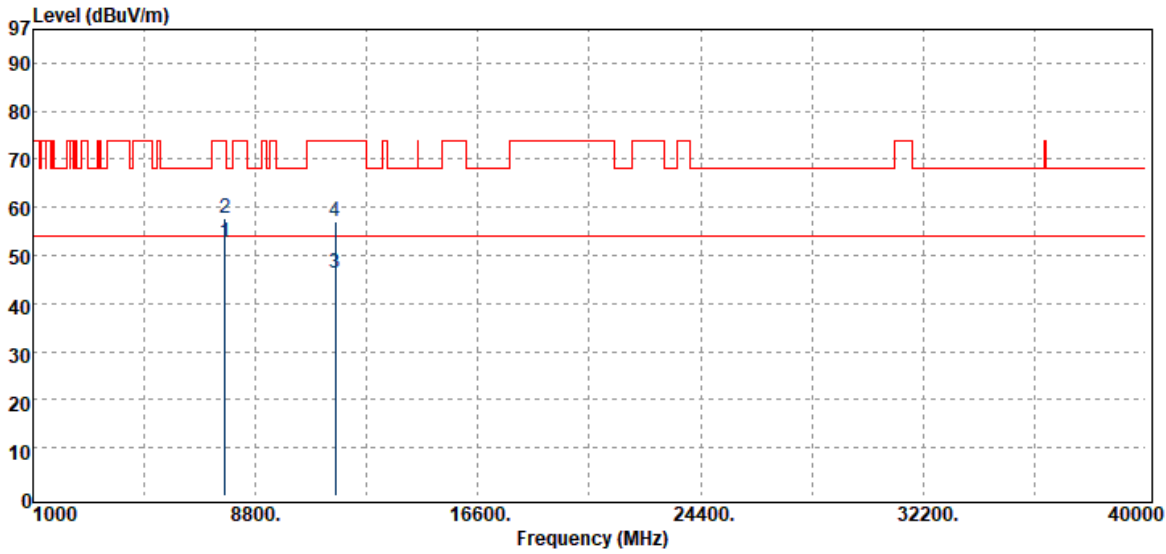
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7673.00	Average	34.72	13.85	48.57	54.00	-5.43
7673.00	Peak	40.89	13.85	54.74	74.00	-19.26
11510.00	Average	24.42	19.78	44.20	54.00	-9.80
11510.00	Peak	34.08	19.78	53.86	74.00	-20.14

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B4  
Test Channel :5795 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7727.00	Average	38.90	13.86	52.76	54.00	-1.24
7727.00	Peak	43.80	13.86	57.66	74.00	-16.34
11590.00	Average	24.92	21.38	46.30	54.00	-7.70
11590.00	Peak	35.59	21.38	56.97	74.00	-17.03

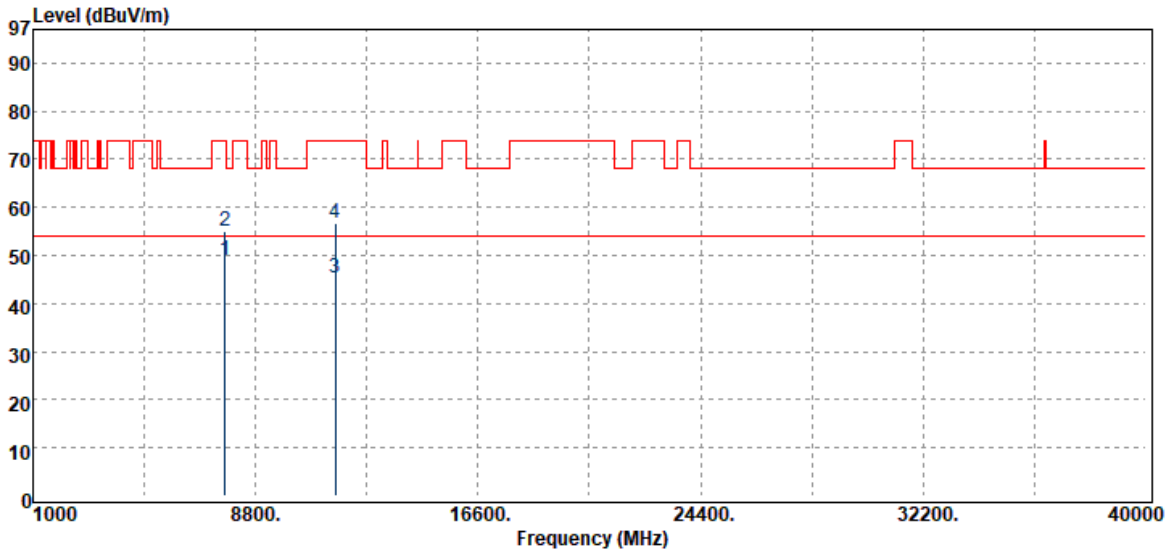
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40 B4  
Test Channel :5795 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7727.00	Average	35.02	13.86	48.88	54.00	-5.12
7727.00	Peak	41.18	13.86	55.04	74.00	-18.96
11590.00	Average	23.79	21.38	45.17	54.00	-8.83
11590.00	Peak	35.41	21.38	56.79	74.00	-17.21

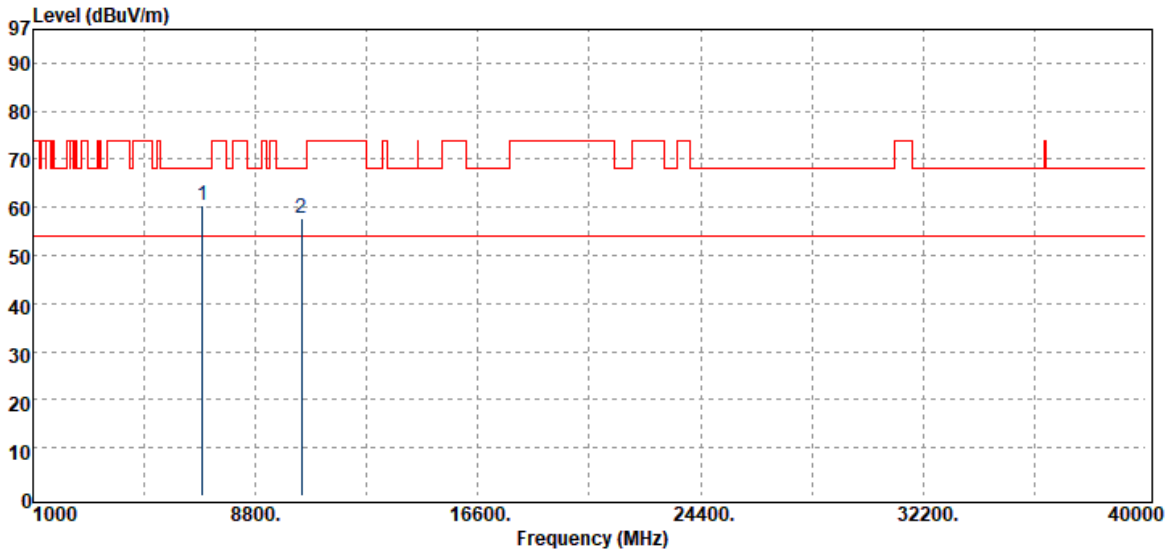
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Report Number :ER/2019/B0067  
 Operation Mode :802.11ac80 B1  
 Test Channel :5210 MHz  
 Test Mode :Tx CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-30  
 Temp./Humi. :22.5/67  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6947.00	Peak	48.65	11.61	60.26	68.20	-7.94
10420.00	Peak	38.70	18.93	57.63	68.20	-10.57

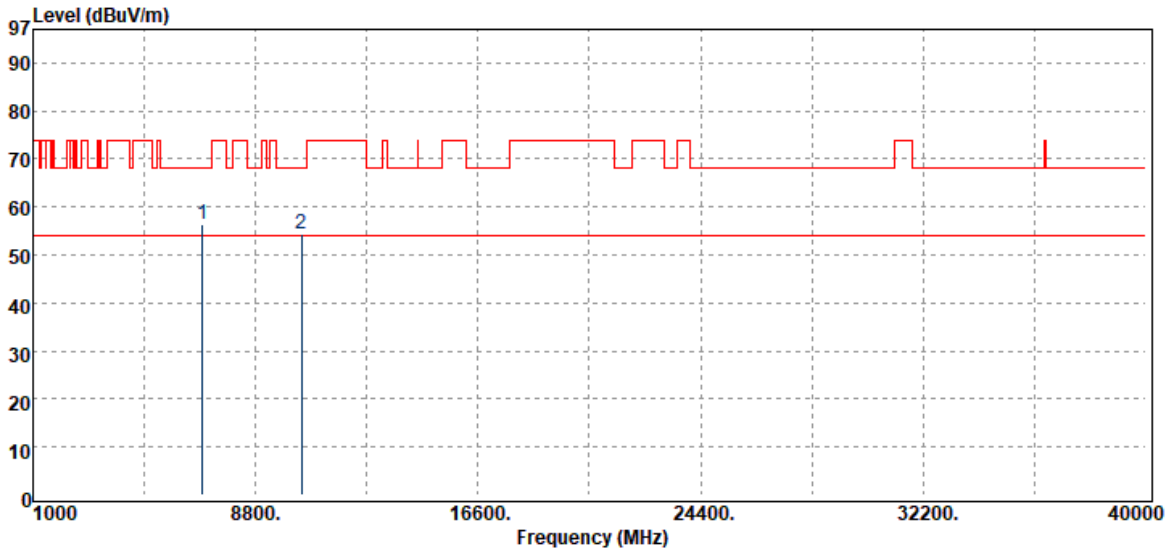
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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B1  
Test Channel :5210 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
6947.00	Peak	44.83	11.61	56.44	68.20	-11.76
10420.00	Peak	35.50	18.93	54.43	68.20	-13.77

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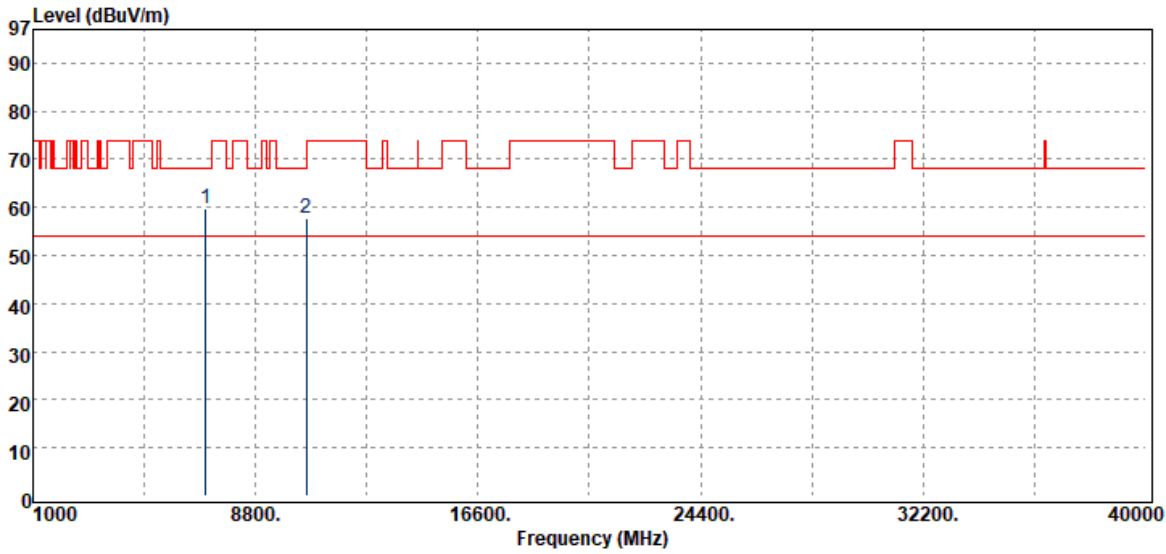
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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B2  
Test Channel :5290 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



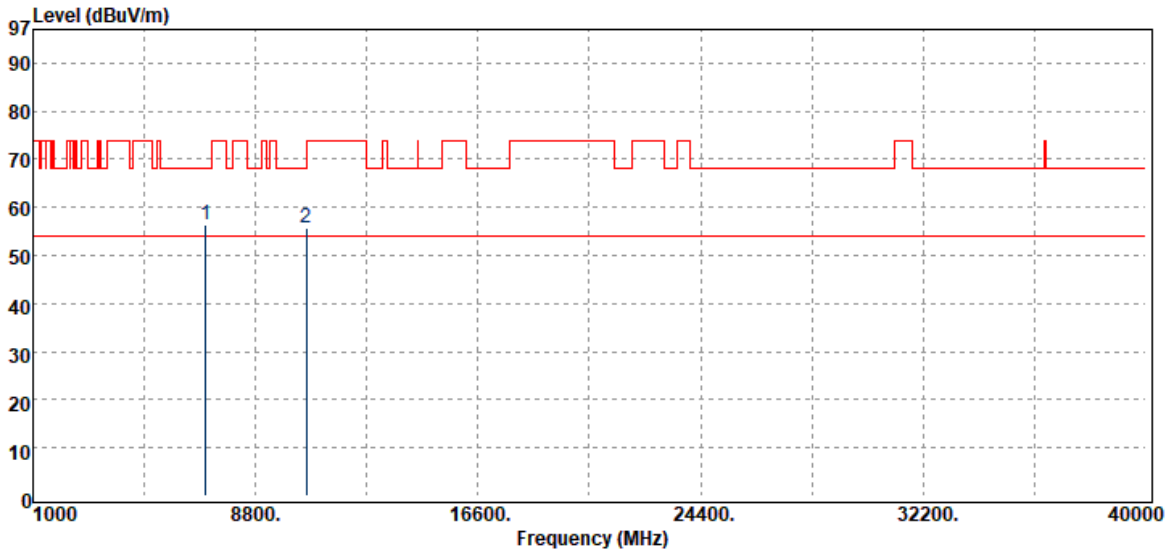
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7053.00	Peak	48.01	11.64	59.65	68.20	-8.55
10580.00	Peak	38.79	18.85	57.64	68.20	-10.56

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B2  
Test Channel :5290 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



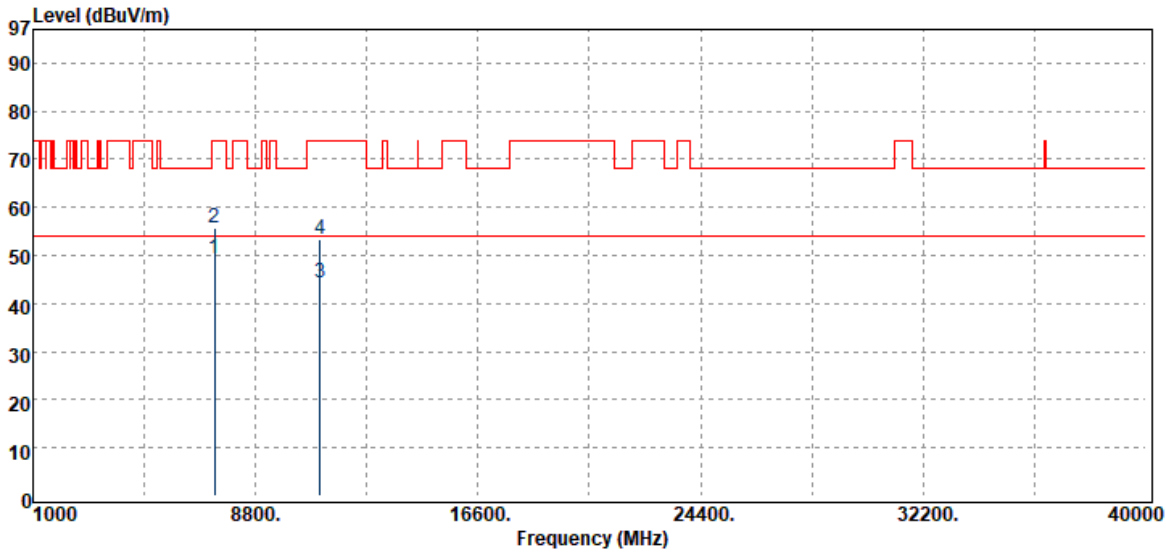
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7053.00	Peak	44.60	11.64	56.24	68.20	-11.96
10580.00	Peak	36.87	18.85	55.72	68.20	-12.48

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5530 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



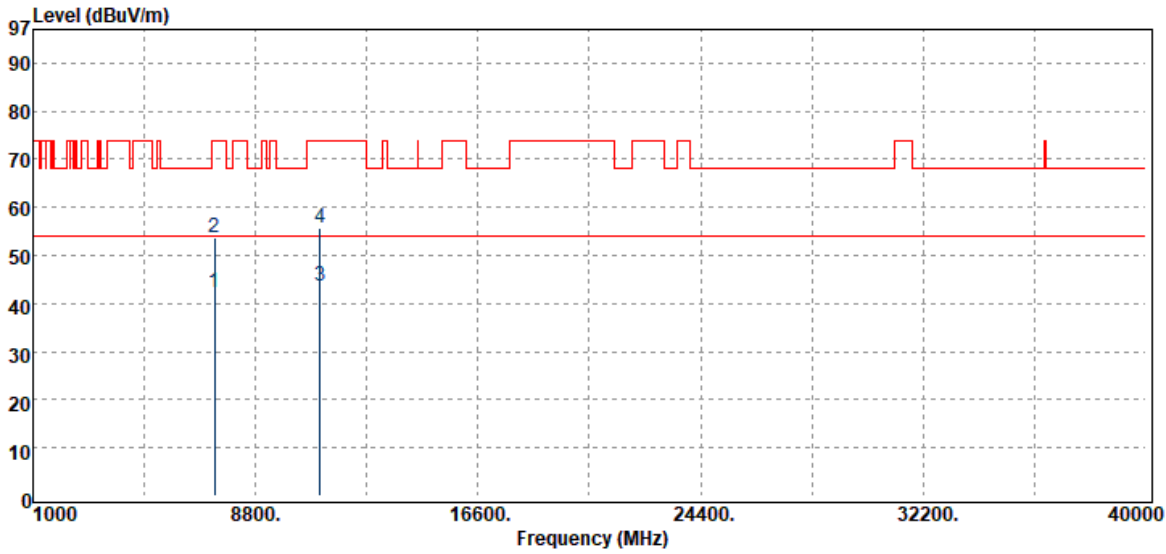
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7373.00	Average	35.16	14.06	49.22	54.00	-4.78
7373.00	Peak	41.67	14.06	55.73	74.00	-18.27
11060.00	Average	24.08	20.19	44.27	54.00	-9.73
11060.00	Peak	33.18	20.19	53.37	74.00	-20.63

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5530 MHz  
Test Mode :Tx CH Low  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



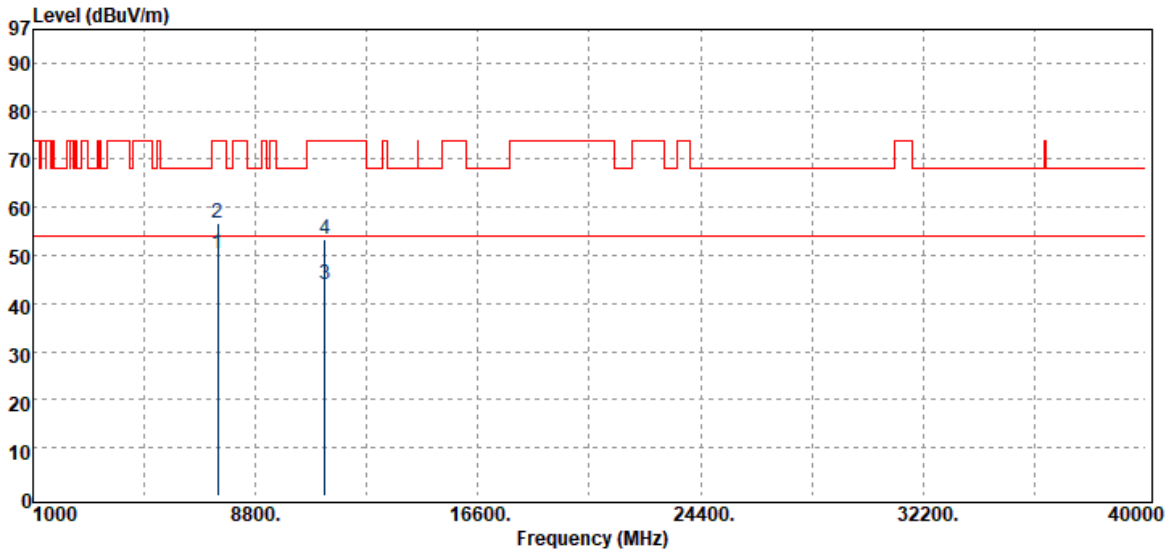
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
7373.00	Average	28.36	14.06	42.42	54.00	-11.58
7373.00	Peak	39.56	14.06	53.62	74.00	-20.38
11060.00	Average	23.46	20.19	43.65	54.00	-10.35
11060.00	Peak	35.45	20.19	55.64	74.00	-18.36

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5610 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :VERTICAL  
Engineer :Thomas



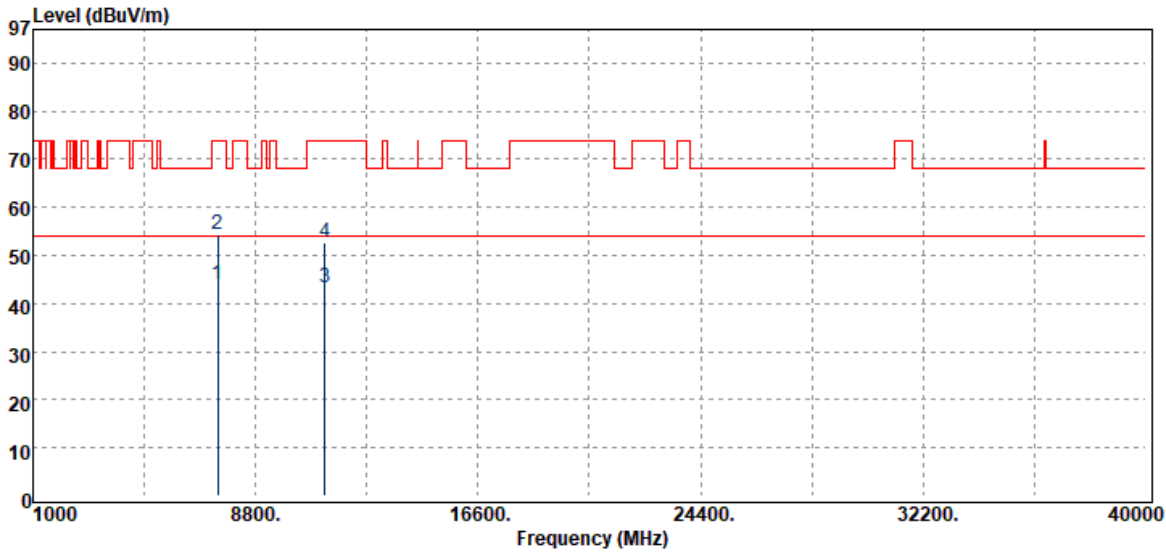
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7480.00	Average	36.00	14.27	50.27	54.00	-3.73
7480.00	Peak	42.33	14.27	56.60	74.00	-17.40
11220.00	Average	24.33	19.80	44.13	54.00	-9.87
11220.00	Peak	33.47	19.80	53.27	74.00	-20.73

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B3  
Test Channel :5610 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2020-02-04  
Temp./Humi. :20.2/65  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



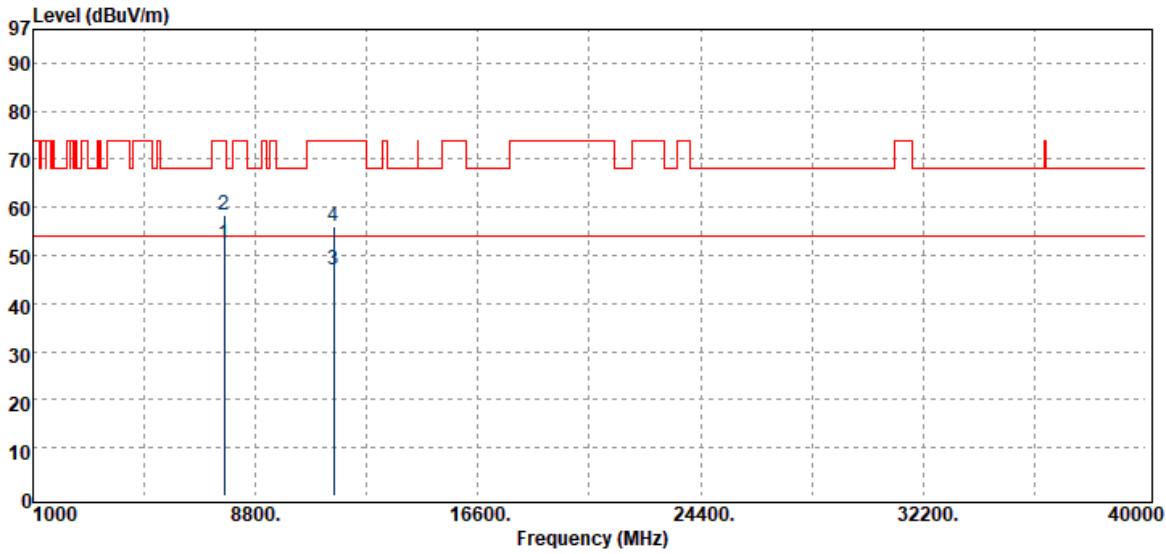
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7480.00	Average	29.78	14.27	44.05	54.00	-9.95
7480.00	Peak	40.05	14.27	54.32	74.00	-19.68
11220.00	Average	23.41	19.80	43.21	54.00	-10.79
11220.00	Peak	32.84	19.80	52.64	74.00	-21.36

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B4  
Test Channel :5775 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :VERTICAL  
Engineer :Thomas



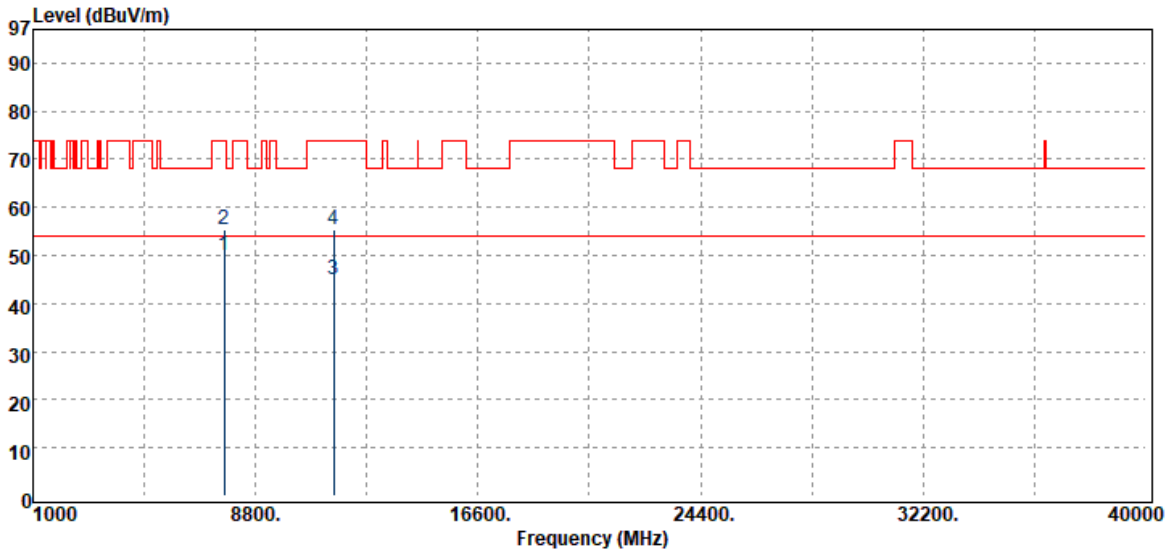
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7700.00	Average	38.01	14.28	52.29	54.00	-1.71
7700.00	Peak	44.06	14.28	58.34	74.00	-15.66
11550.00	Average	26.56	20.48	47.04	54.00	-6.96
11550.00	Peak	35.47	20.48	55.95	74.00	-18.05

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80 B4  
Test Channel :5775 MHz  
Test Mode :Tx CH High  
EUT Pol :E2 Plane

Test Date :2019-12-30  
Temp./Humi. :22.5/67  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
7700.00	Average	35.60	14.28	49.88	54.00	-4.12
7700.00	Peak	41.08	14.28	55.36	74.00	-18.64
11550.00	Average	24.39	20.48	44.87	54.00	-9.13
11550.00	Peak	34.83	20.48	55.31	74.00	-18.69

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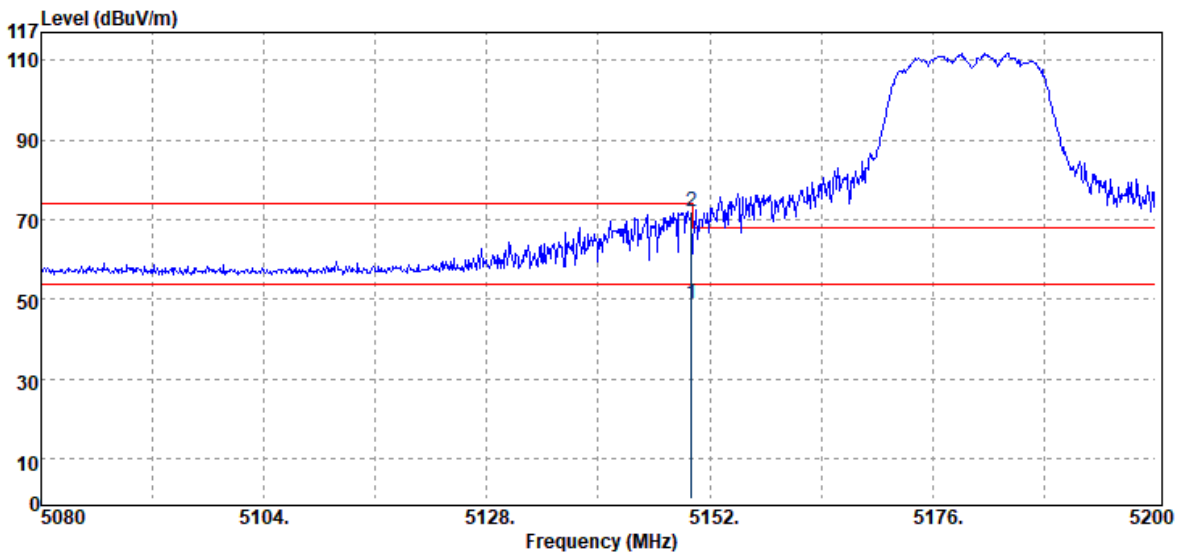
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### 11.7.3 Band edge falling to restricted band

#### Dipole Antenna (Part No.: ANT-DB1-RAF-RPS)

Report Number	:ER/2019/B0067	Test Date	:2019-12-19
Operation Mode	:802.11aB1	Temp./Humi.	:23.7/68
Test Channel	:5180 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH Low	Engineer	:Thomas
EUT Pol	:E2 Plane		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5150.00	Average	41.81	7.10	48.91	54.00	-5.09
5150.00	Peak	64.93	7.10	72.03	74.00	-1.97

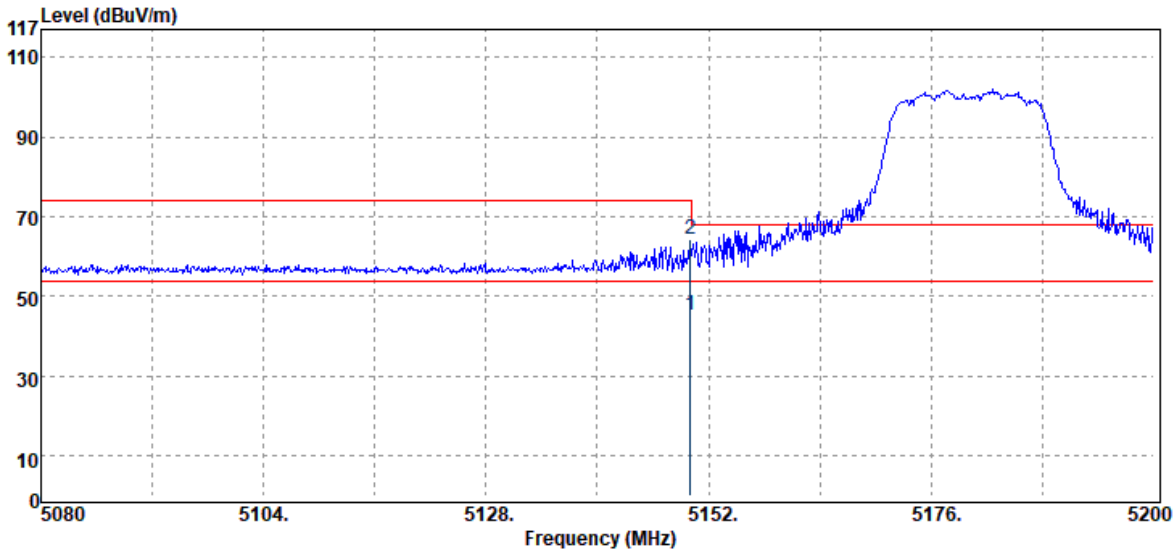
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Report Number :ER/2019/B0067  
 Operation Mode :802.11aB1  
 Test Channel :5180 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-19  
 Temp./Humi. :23.7/68  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



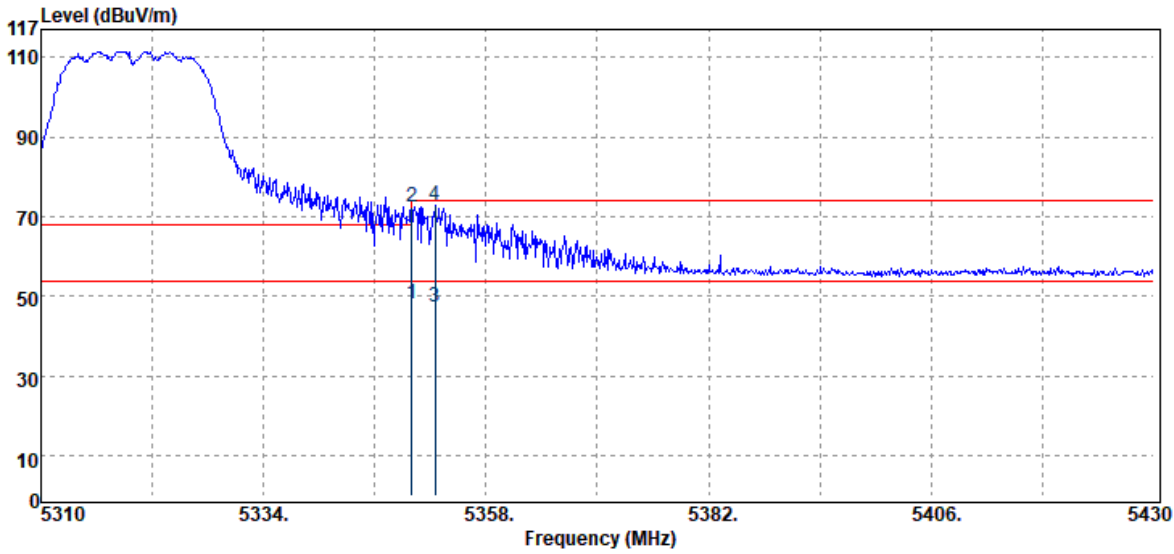
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5150.00	Average	38.26	7.10	45.36	54.00	-8.64
5150.00	Peak	57.23	7.10	64.33	74.00	-9.67

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Report Number :ER/2019/B0067  
 Operation Mode :802.11aB2  
 Test Channel :5320 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-19  
 Temp./Humi. :23.7/68  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



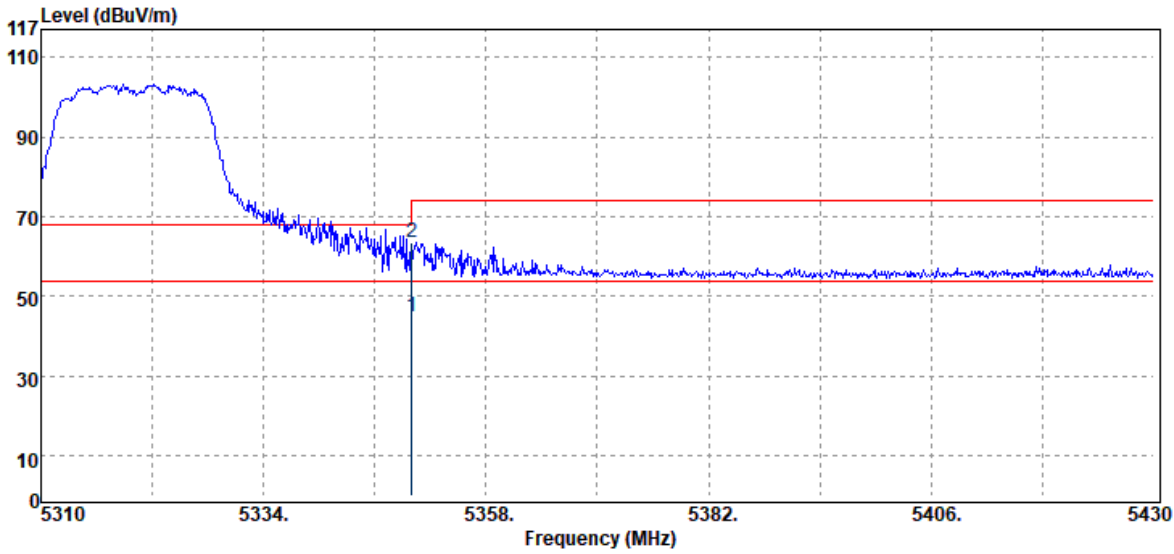
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5350.00	Average	41.83	6.21	48.04	54.00	-5.96
5350.00	Peak	66.36	6.21	72.57	74.00	-1.43
5352.48	Average	41.30	6.22	47.52	54.00	-6.48
5352.48	Peak	66.71	6.22	72.93	74.00	-1.07

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Report Number :ER/2019/B0067  
 Operation Mode :802.11aB2  
 Test Channel :5320 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-19  
 Temp./Humi. :23.7/68  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



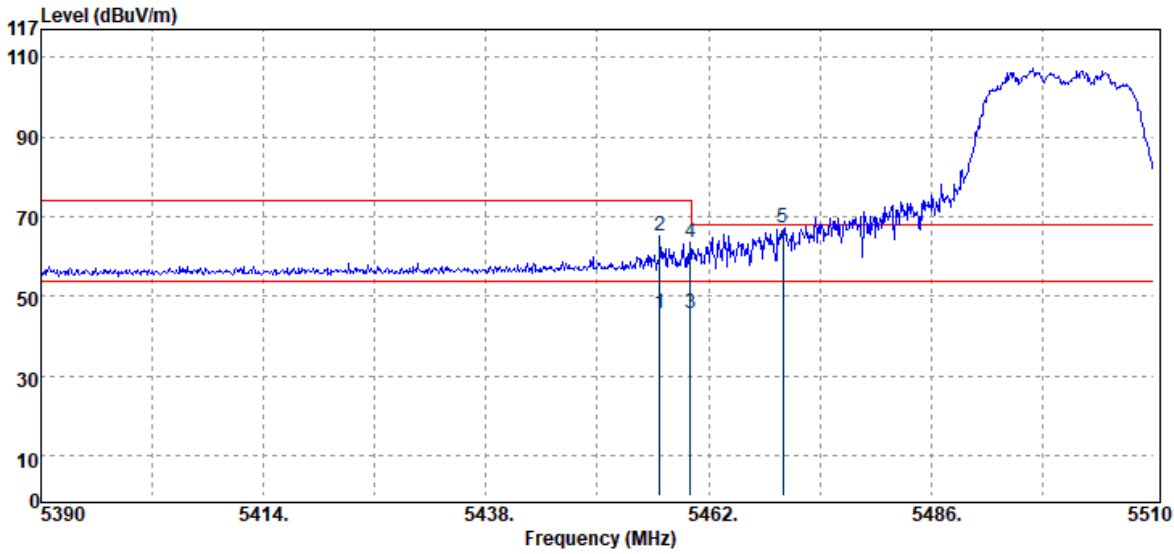
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5350.00	Average	38.75	6.21	44.96	54.00	-9.04
5350.00	Peak	57.21	6.21	63.42	74.00	-10.58

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Report Number :ER/2019/B0067  
Operation Mode :802.11aB3  
Test Channel :5500 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :VERTICAL  
Engineer :Thomas



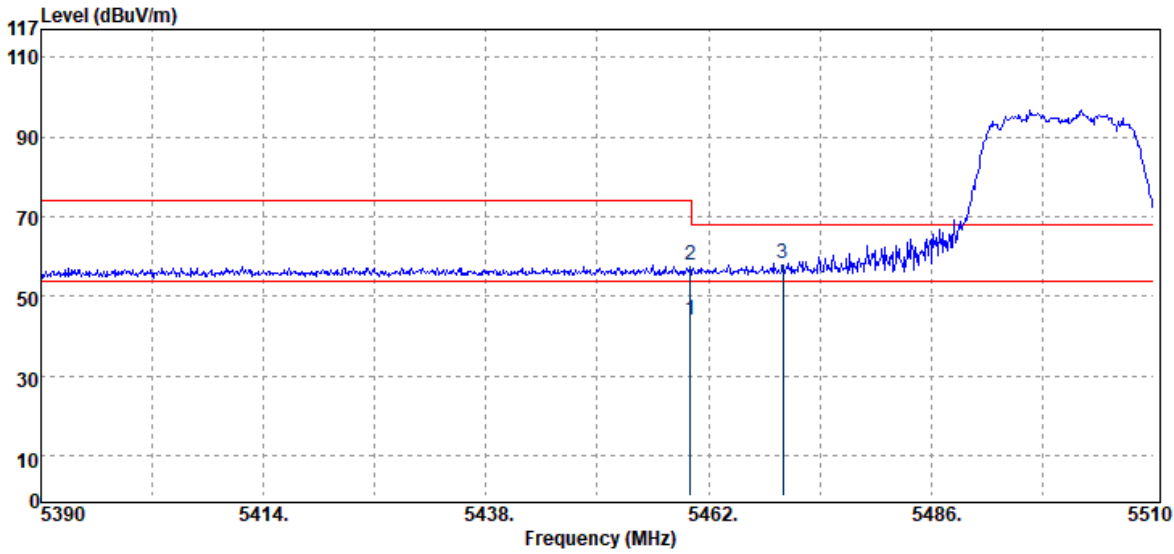
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5456.72	Average	38.92	6.66	45.58	54.00	-8.42
5456.72	Peak	58.37	6.66	65.03	74.00	-8.97
5460.00	Average	39.00	6.69	45.69	54.00	-8.31
5460.00	Peak	56.92	6.69	63.61	74.00	-10.39
5470.00	Peak	60.30	6.77	67.07	68.20	-1.13

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Report Number :ER/2019/B0067  
 Operation Mode :802.11aB3  
 Test Channel :5500 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-19  
 Temp./Humi. :23.7/68  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas

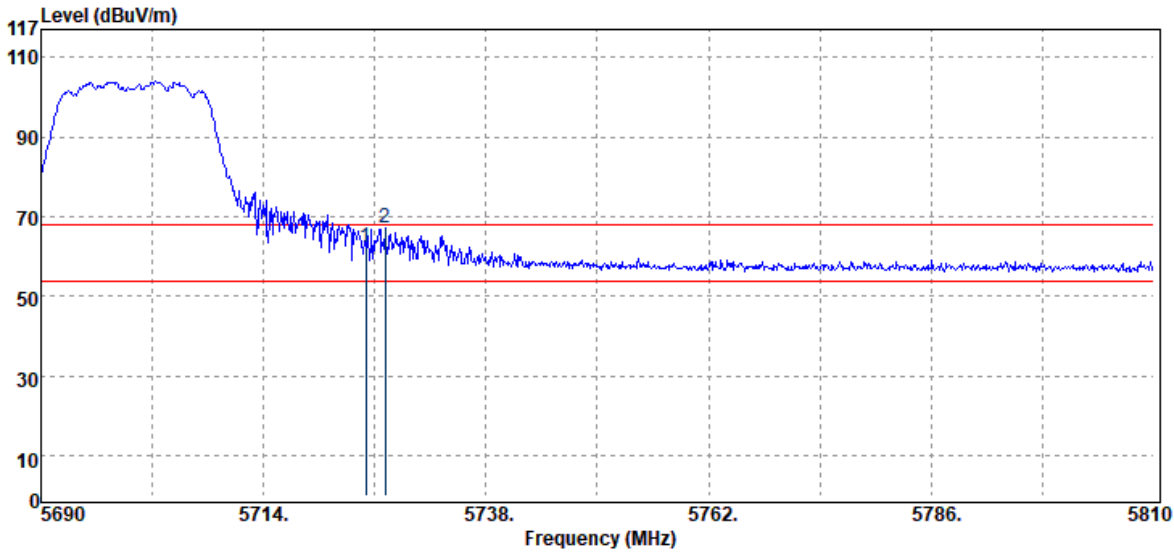


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5460.00	Average	37.61	6.69	44.30	54.00	-9.70
5460.00	Peak	51.10	6.69	57.79	74.00	-16.21
5470.00	Peak	51.65	6.77	58.42	68.20	-9.78

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Report Number	:ER/2019/B0067	Test Date	:2019-12-19
Operation Mode	:802.11aB3	Temp./Humi.	:23.7/68
Test Channel	:5700 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH High	Engineer	:Thomas
EUT Pol	:E2 Plane		



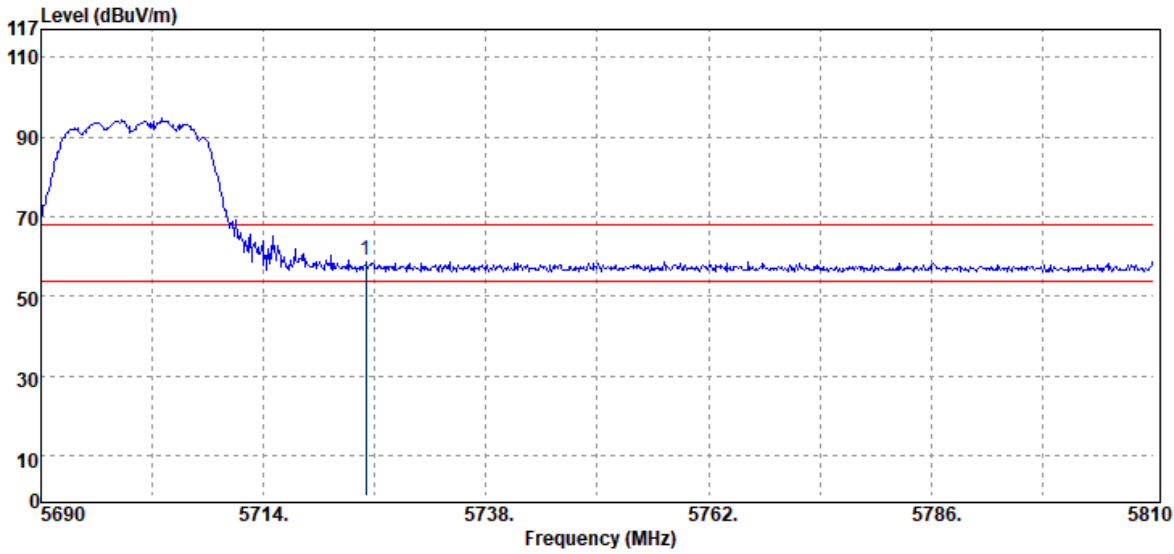
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5725.00	Peak	54.75	7.53	62.28	68.20	-5.92
5727.08	Peak	59.53	7.53	67.06	68.20	-1.14

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Report Number :ER/2019/B0067  
 Operation Mode :802.11aB3  
 Test Channel :5700 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-19  
 Temp./Humi. :23.7/68  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5725.00	Peak	51.71	7.53	59.24	68.20	-8.96

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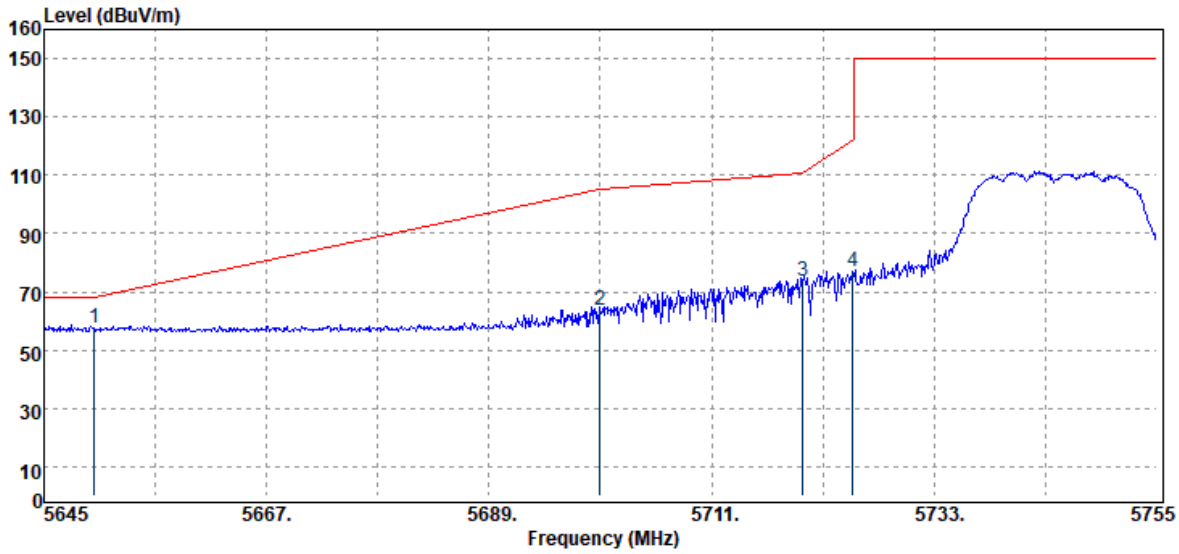
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Report Number :ER/2019/B0067  
Operation Mode :802.11aB4  
Test Channel :5745 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :VERTICAL  
Engineer :Thomas



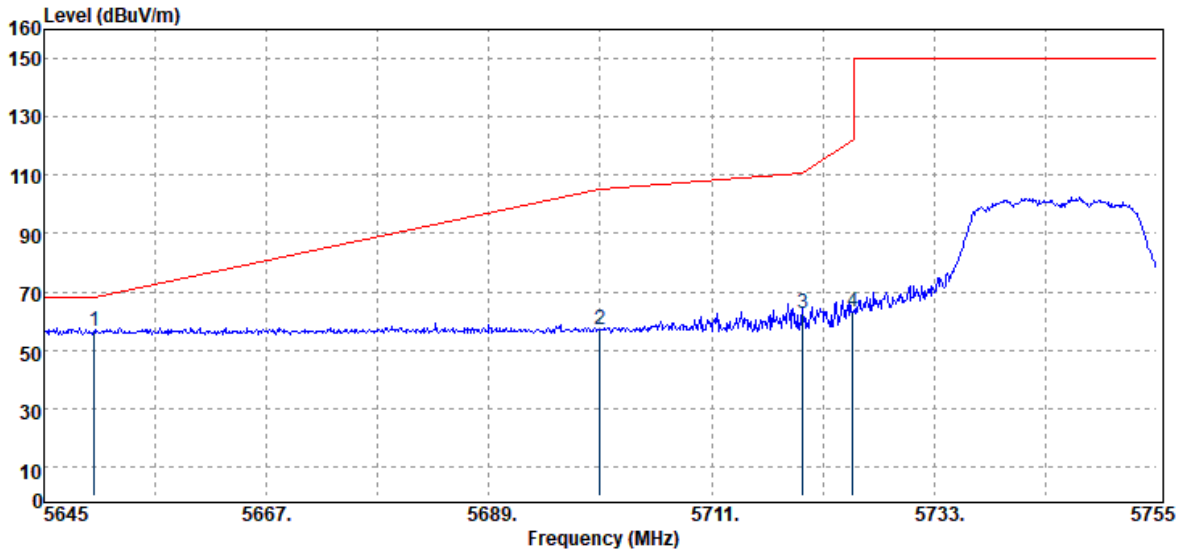
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5649.95	Peak	50.30	7.02	57.32	68.20	-10.88
5700.00	Peak	56.16	7.54	63.70	105.20	-41.50
5720.02	Peak	65.96	7.53	73.49	110.85	-37.36
5724.97	Peak	69.15	7.53	76.68	122.13	-45.45

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Report Number :ER/2019/B0067  
Operation Mode :802.11aB4  
Test Channel :5745 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas

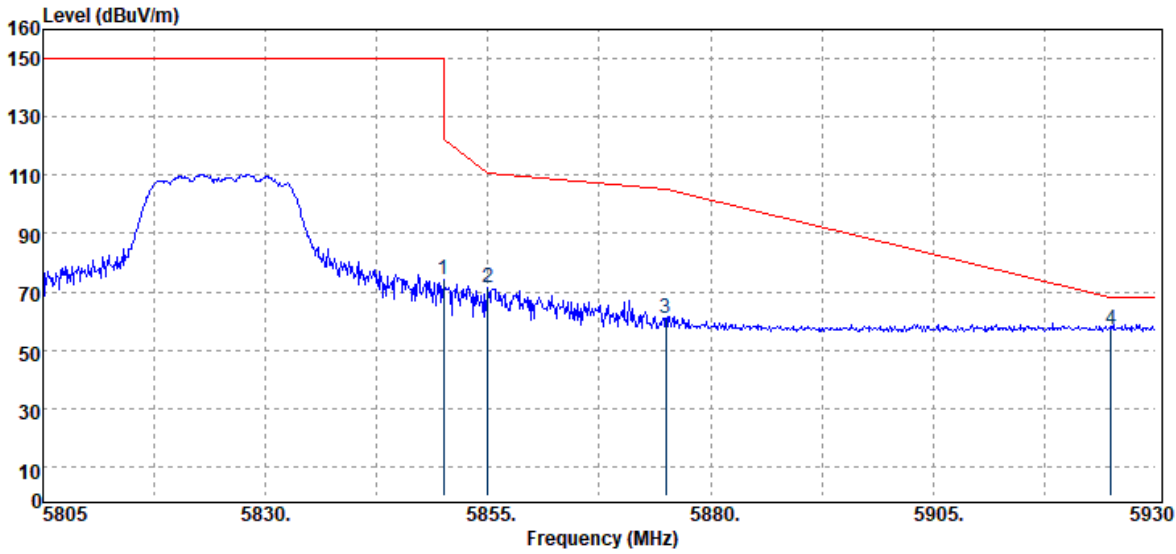


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5649.95	Peak	49.46	7.02	56.48	68.20	-11.72
5700.00	Peak	49.35	7.54	56.89	105.20	-48.31
5720.02	Peak	54.81	7.53	62.34	110.85	-48.51
5724.97	Peak	55.72	7.53	63.25	122.13	-58.88

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Report Number	:ER/2019/B0067	Test Date	:2019-12-19
Operation Mode	:802.11aB4	Temp./Humi.	:23.7/68
Test Channel	:5825 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH High	Engineer	:Thomas
EUT Pol	:E2 Plane		



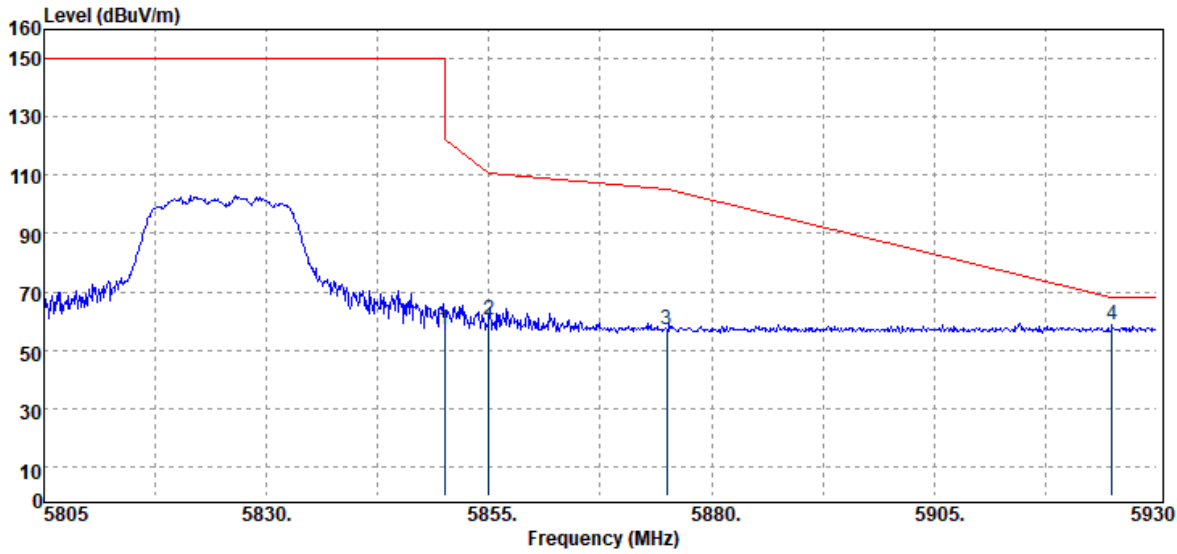
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.00	Peak	66.53	7.76	74.29	122.20	-47.91
5855.00	Peak	63.73	7.77	71.50	110.80	-39.30
5875.00	Peak	53.08	7.83	60.91	105.20	-44.29
5925.00	Peak	49.26	7.97	57.23	68.20	-10.97

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Report Number :ER/2019/B0067  
Operation Mode :802.11aB4  
Test Channel :5825 MHz  
Test Mode :Bandedge CH High  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



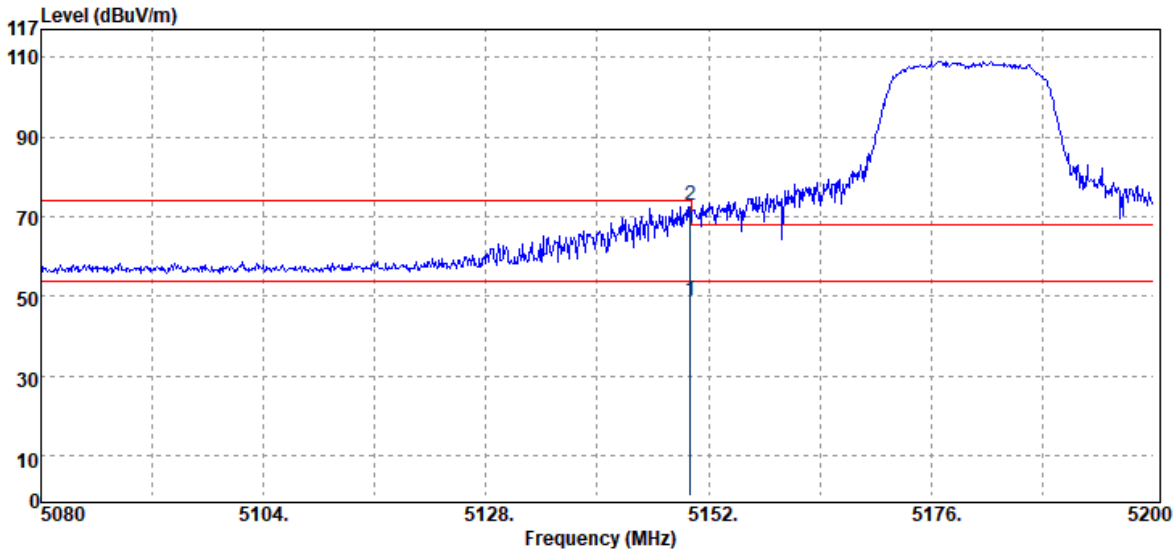
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5850.00	Peak	49.52	7.76	57.28	122.20	-64.92
5855.00	Peak	52.37	7.77	60.14	110.80	-50.66
5875.00	Peak	49.32	7.83	57.15	105.20	-48.05
5925.00	Peak	50.83	7.97	58.80	68.20	-9.40

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20B1  
Test Channel :5180 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :VERTICAL  
Engineer :Thomas



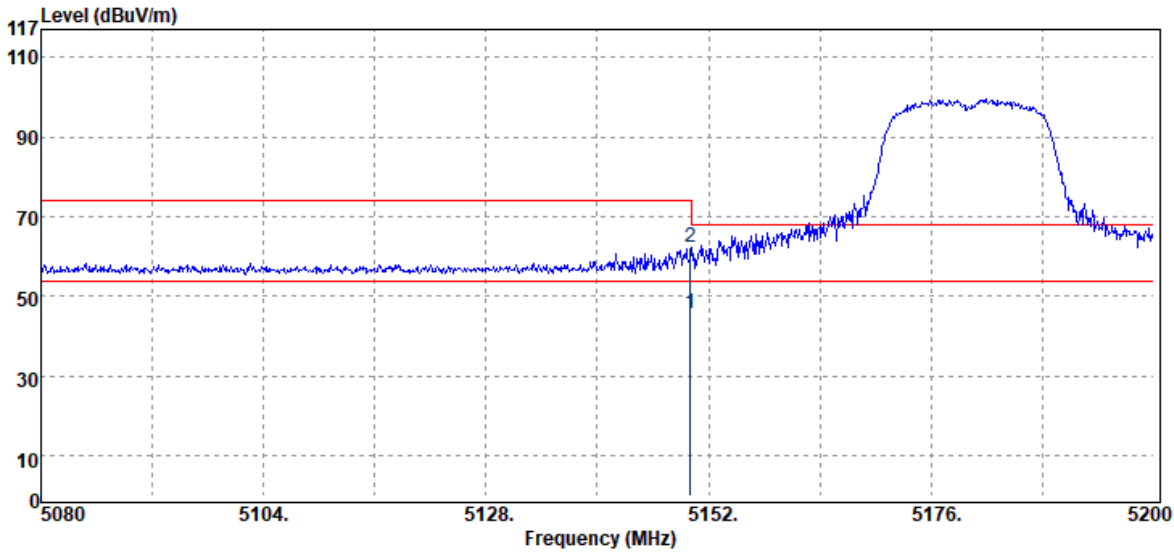
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5150.00	Average	42.02	7.10	49.12	54.00	-4.88
5150.00	Peak	65.88	7.10	72.98	74.00	-1.02

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20B1  
 Test Channel :5180 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-19  
 Temp./Humi. :23.7/68  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



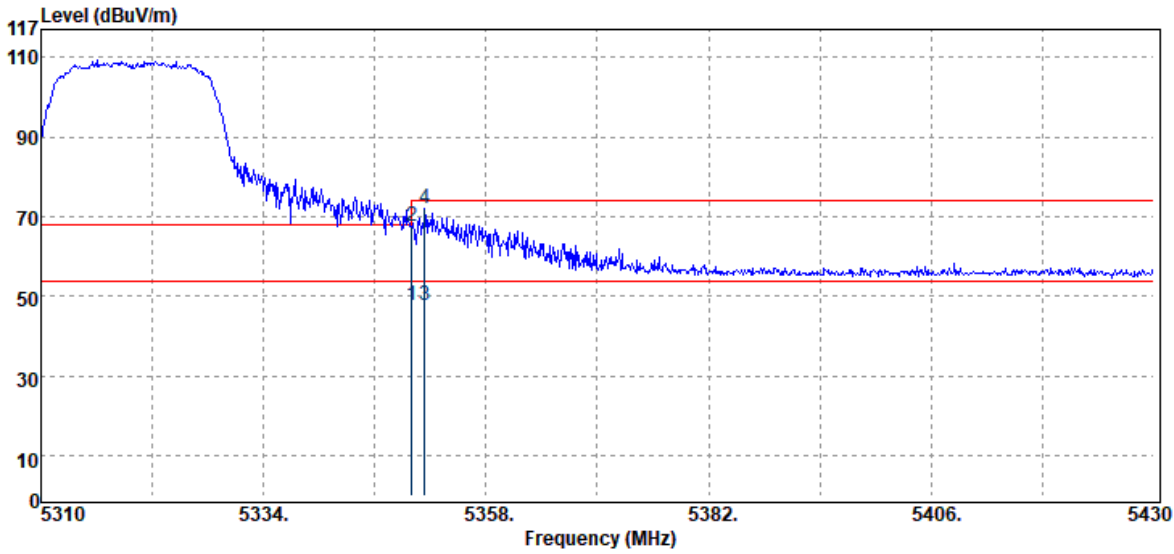
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5150.00	Average	38.78	7.10	45.88	54.00	-8.12
5150.00	Peak	55.06	7.10	62.16	74.00	-11.84

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20B2  
Test Channel :5320 MHz  
Test Mode :Bandedge CH High  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :VERTICAL  
Engineer :Thomas



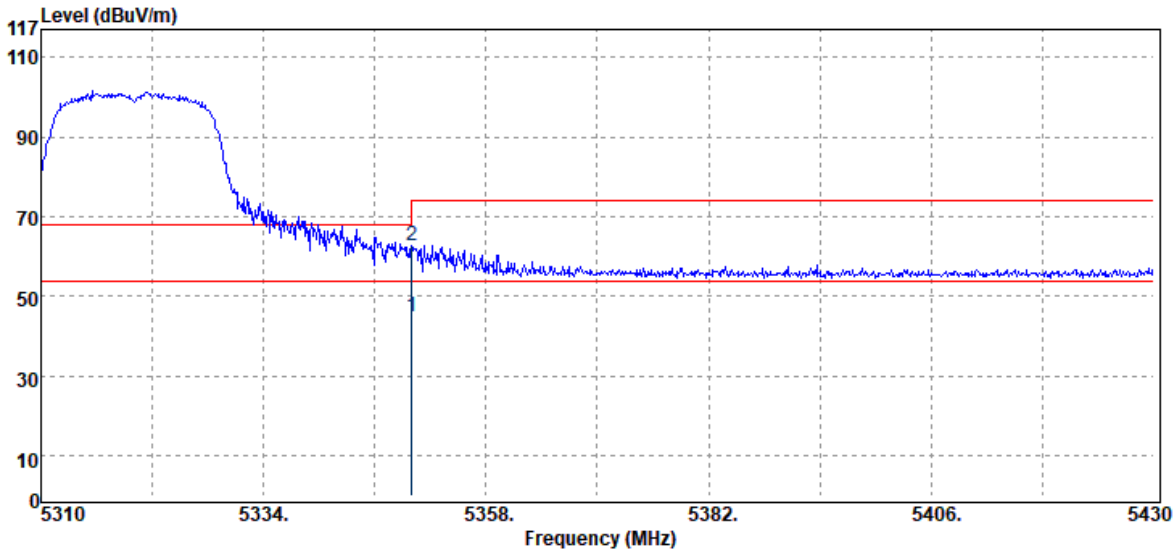
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5350.00	Average	41.69	6.21	47.90	54.00	-6.10
5350.00	Peak	61.24	6.21	67.45	74.00	-6.55
5351.40	Average	41.40	6.22	47.62	54.00	-6.38
5351.40	Peak	65.72	6.22	71.94	74.00	-2.06

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20B2  
Test Channel :5320 MHz  
Test Mode :Bandedge CH High  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5350.00	Average	38.60	6.21	44.81	54.00	-9.19
5350.00	Peak	56.62	6.21	62.83	74.00	-11.17

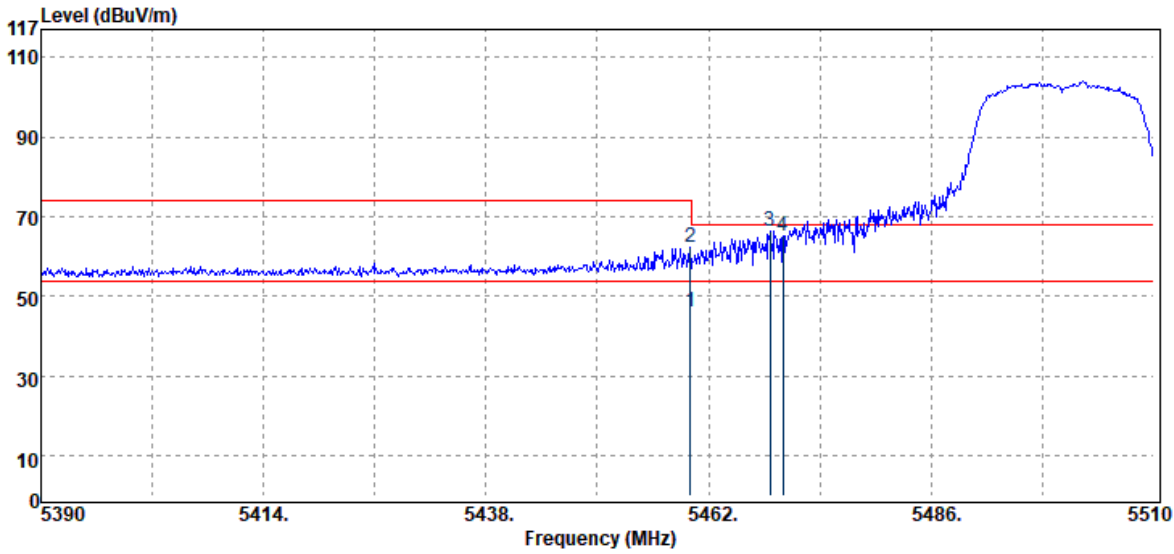
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20B3  
Test Channel :5500 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :VERTICAL  
Engineer :Thomas



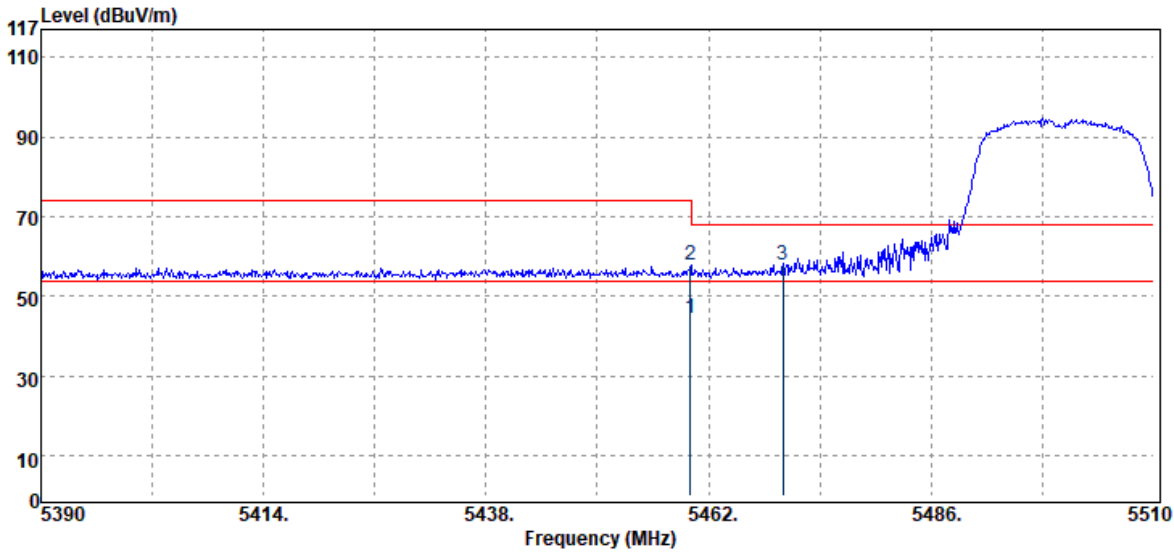
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5460.00	Average	39.40	6.69	46.09	54.00	-7.91
5460.00	Peak	55.69	6.69	62.38	74.00	-11.62
5468.60	Peak	59.79	6.75	66.54	68.20	-1.66
5470.00	Peak	58.23	6.77	65.00	68.20	-3.20

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20B3  
Test Channel :5500 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas

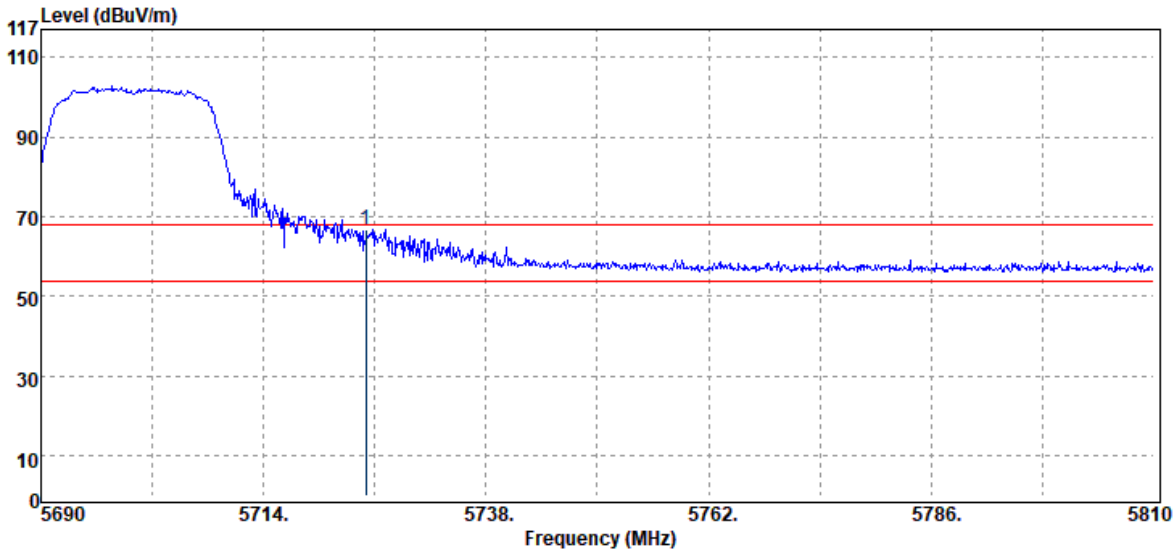


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5460.00	Average	38.00	6.69	44.69	54.00	-9.31
5460.00	Peak	51.13	6.69	57.82	74.00	-16.18
5470.00	Peak	51.13	6.77	57.90	68.20	-10.30

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Report Number	:ER/2019/B0067	Test Date	:2019-12-19
Operation Mode	:802.11n20B3	Temp./Humi.	:23.7/68
Test Channel	:5700 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH High	Engineer	:Thomas
EUT Pol	:E2 Plane		



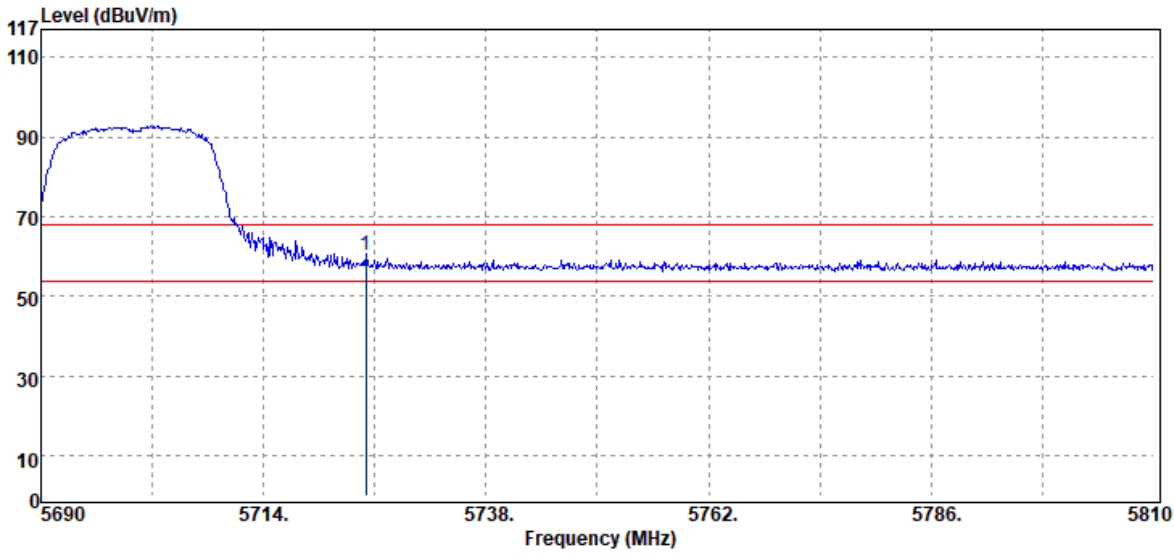
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5725.00	Peak	59.18	7.53	66.71	68.20	-1.49

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20B3  
 Test Channel :5700 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-19  
 Temp./Humi. :23.7/68  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



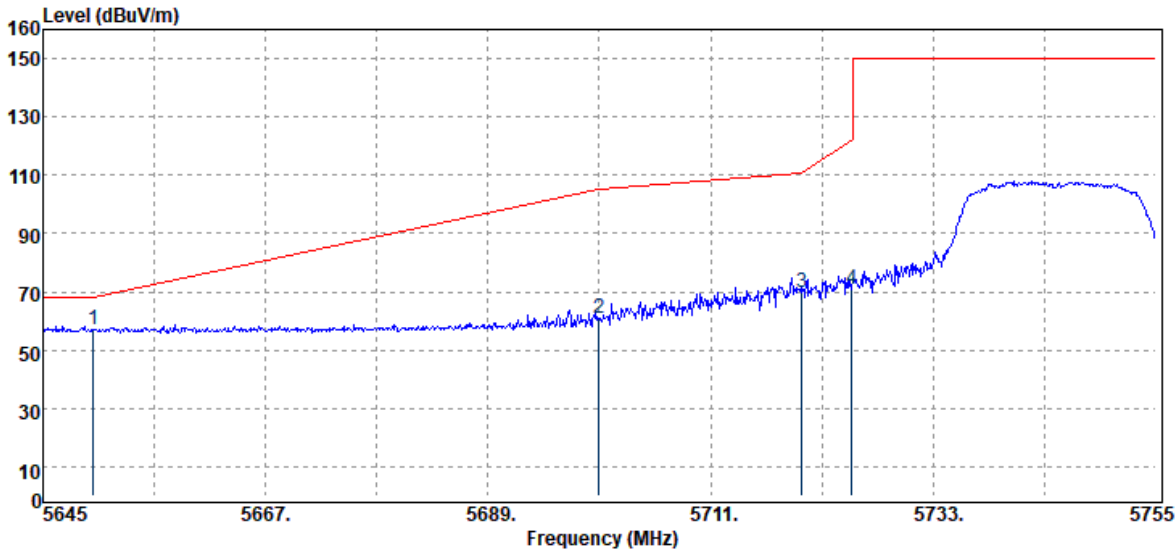
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5725.00	Peak	52.97	7.53	60.50	68.20	-7.70

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20B4  
Test Channel :5745 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :VERTICAL  
Engineer :Thomas



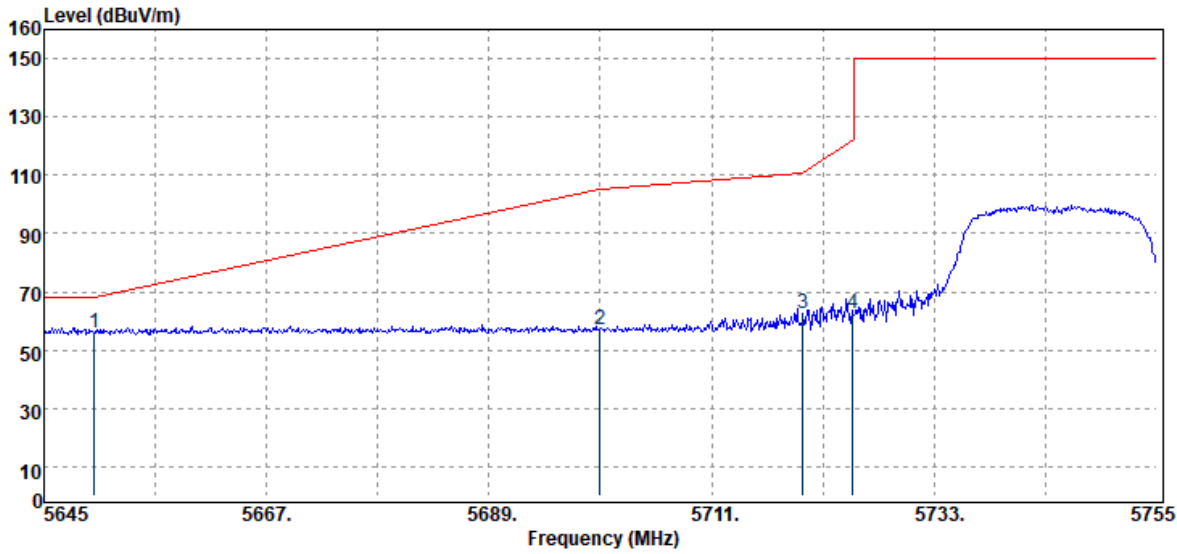
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5649.95	Peak	49.78	7.02	56.80	68.20	-11.40
5700.00	Peak	53.49	7.54	61.03	105.20	-44.17
5720.02	Peak	62.47	7.53	70.00	110.85	-40.85
5724.97	Peak	63.32	7.53	70.85	122.13	-51.28

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Report Number :ER/2019/B0067  
Operation Mode :802.11n20B4  
Test Channel :5745 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



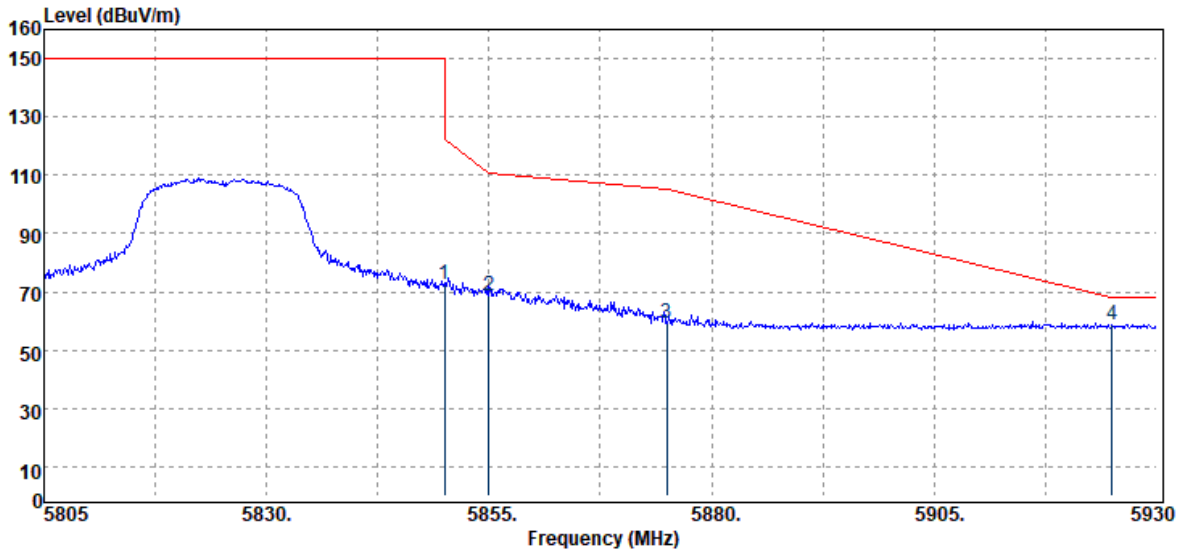
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5649.95	Peak	48.66	7.02	55.68	68.20	-12.52
5700.00	Peak	49.71	7.54	57.25	105.20	-47.95
5720.02	Peak	55.07	7.53	62.60	110.85	-48.25
5724.97	Peak	55.13	7.53	62.66	122.13	-59.47

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Report Number	:ER/2019/B0067	Test Date	:2019-12-19
Operation Mode	:802.11n20B4	Temp./Humi.	:23.7/68
Test Channel	:5825 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH High	Engineer	:Thomas
EUT Pol	:E2 Plane		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.00	Peak	64.81	7.76	72.57	122.20	-49.63
5855.00	Peak	60.97	7.77	68.74	110.80	-42.06
5875.00	Peak	51.48	7.83	59.31	105.20	-45.89
5925.00	Peak	50.48	7.97	58.45	68.20	-9.75

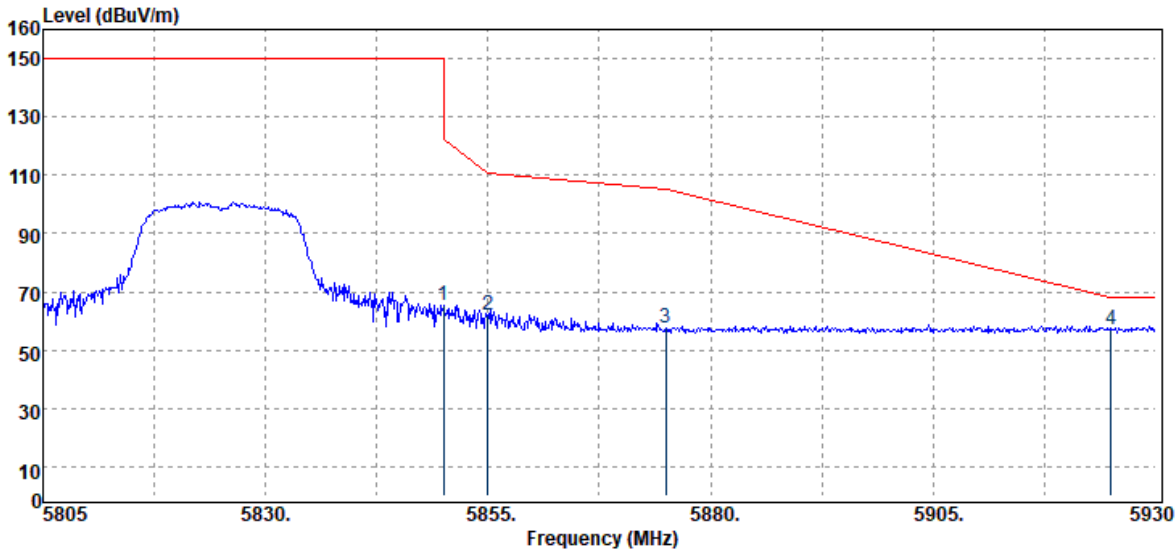
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Report Number :ER/2019/B0067  
Operation Mode :802.11n20B4  
Test Channel :5825 MHz  
Test Mode :Bandedge CH High  
EUT Pol :E2 Plane

Test Date :2019-12-19  
Temp./Humi. :23.7/68  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5850.00	Peak	57.37	7.76	65.13	122.20	-57.07
5855.00	Peak	54.40	7.77	62.17	110.80	-48.63
5875.00	Peak	49.50	7.83	57.33	105.20	-47.87
5925.00	Peak	48.91	7.97	56.88	68.20	-11.32

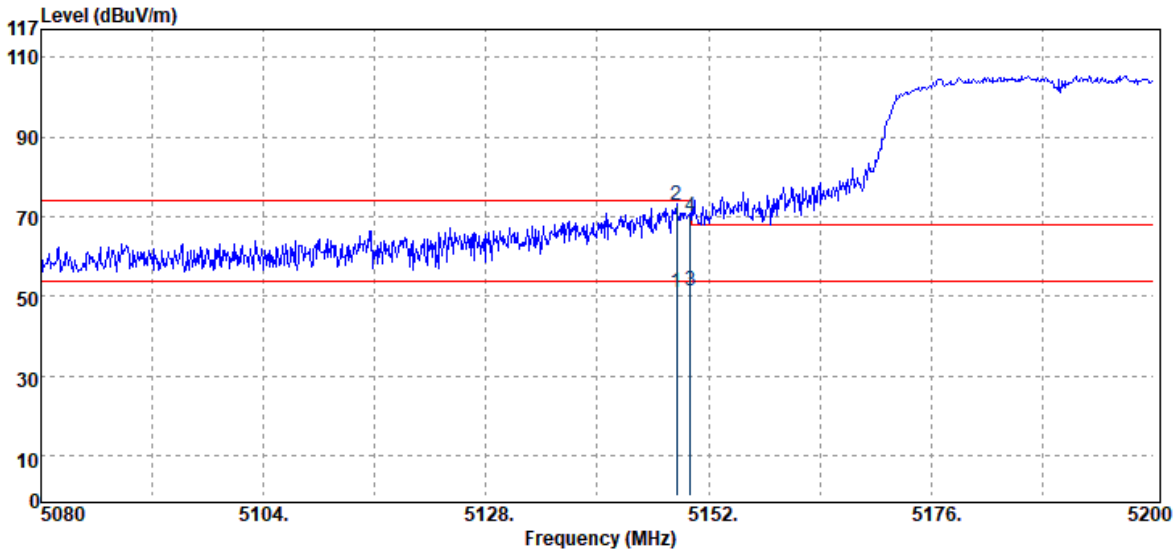
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40B1  
Test Channel :5190 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-20  
Temp./Humi. :23.1/63  
Antenna Pol. :VERTICAL  
Engineer :Thomas



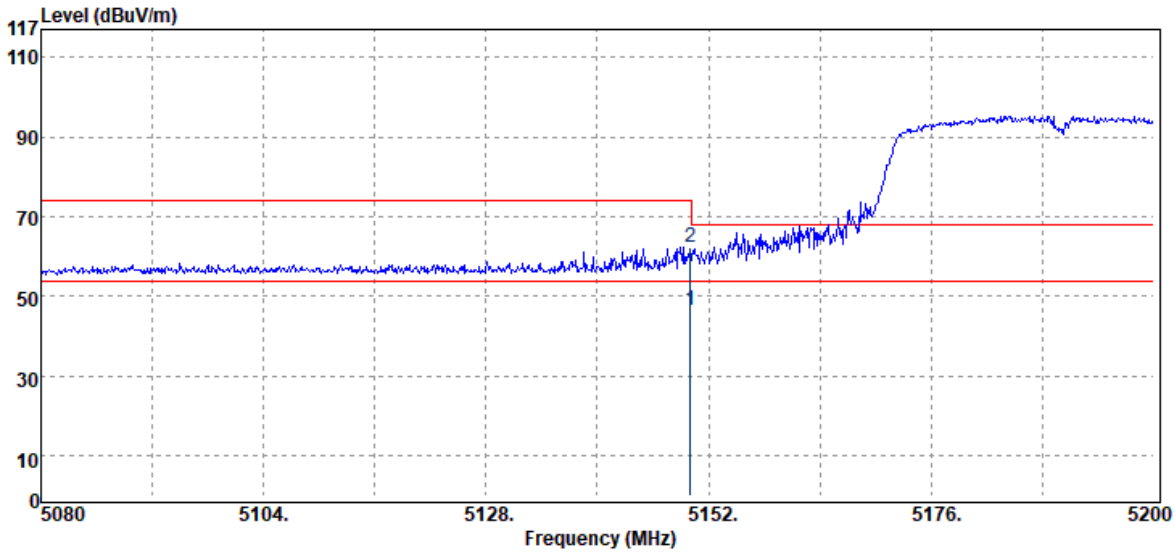
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5148.52	Average	43.90	7.12	51.02	54.00	-2.98
5148.52	Peak	65.87	7.12	72.99	74.00	-1.01
5150.00	Average	44.36	7.10	51.46	54.00	-2.54
5150.00	Peak	62.99	7.10	70.09	74.00	-3.91

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n40B1  
 Test Channel :5190 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-20  
 Temp./Humi. :23.1/63  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas

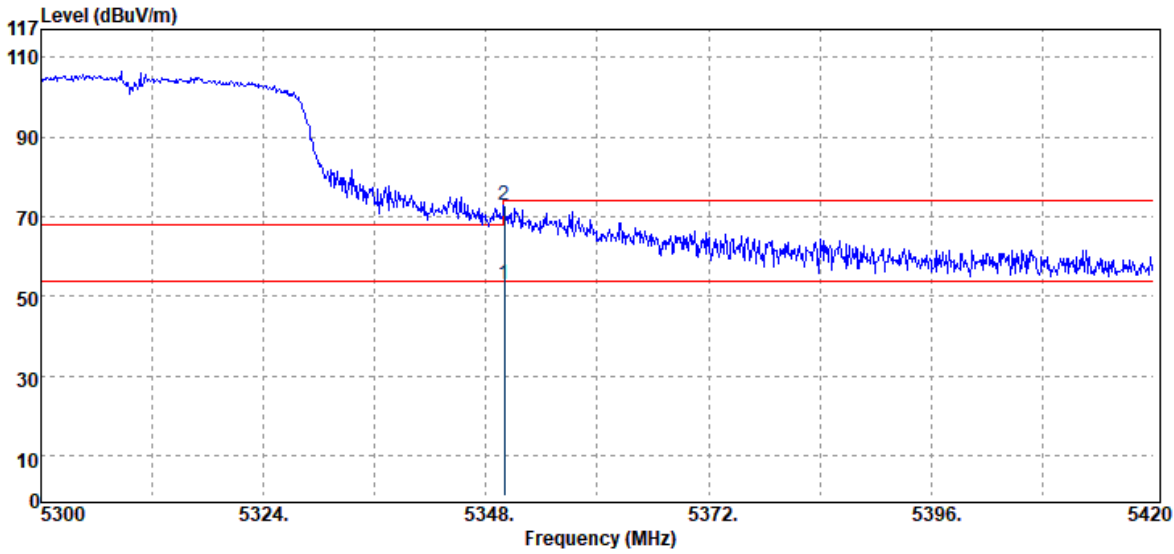


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5150.00	Average	39.39	7.10	46.49	54.00	-7.51
5150.00	Peak	55.42	7.10	62.52	74.00	-11.48

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Report Number	:ER/2019/B0067	Test Date	:2019-12-20
Operation Mode	:802.11n40B2	Temp./Humi.	:23.1/63
Test Channel	:5310 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH High	Engineer	:Thomas
EUT Pol	:E2 Plane		



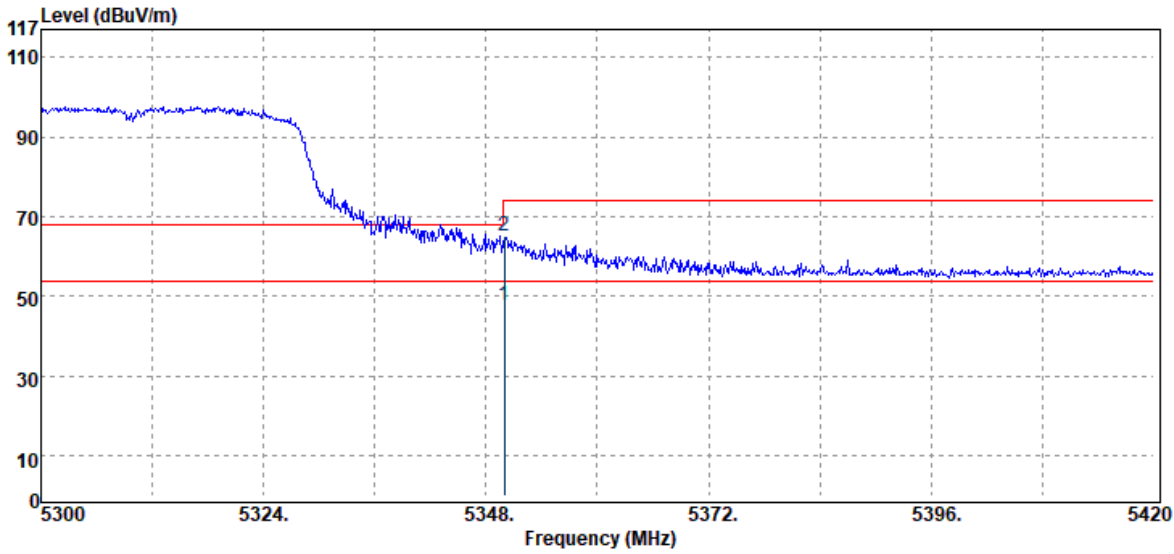
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5350.00	Average	46.70	6.21	52.91	54.00	-1.09
5350.00	Peak	66.79	6.21	73.00	74.00	-1.00

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40B2  
Test Channel :5310 MHz  
Test Mode :Bandedge CH High  
EUT Pol :E2 Plane

Test Date :2019-12-20  
Temp./Humi. :23.1/63  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



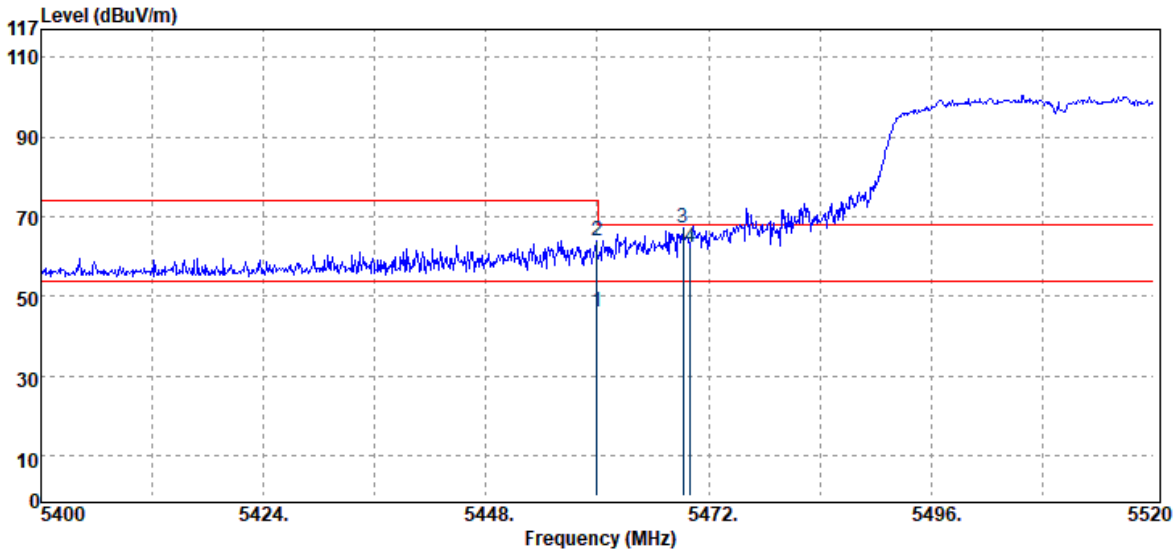
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5350.00	Average	41.38	6.21	47.59	54.00	-6.41
5350.00	Peak	59.02	6.21	65.23	74.00	-8.77

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40B3  
Test Channel :5510 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-20  
Temp./Humi. :23.1/63  
Antenna Pol. :VERTICAL  
Engineer :Thomas



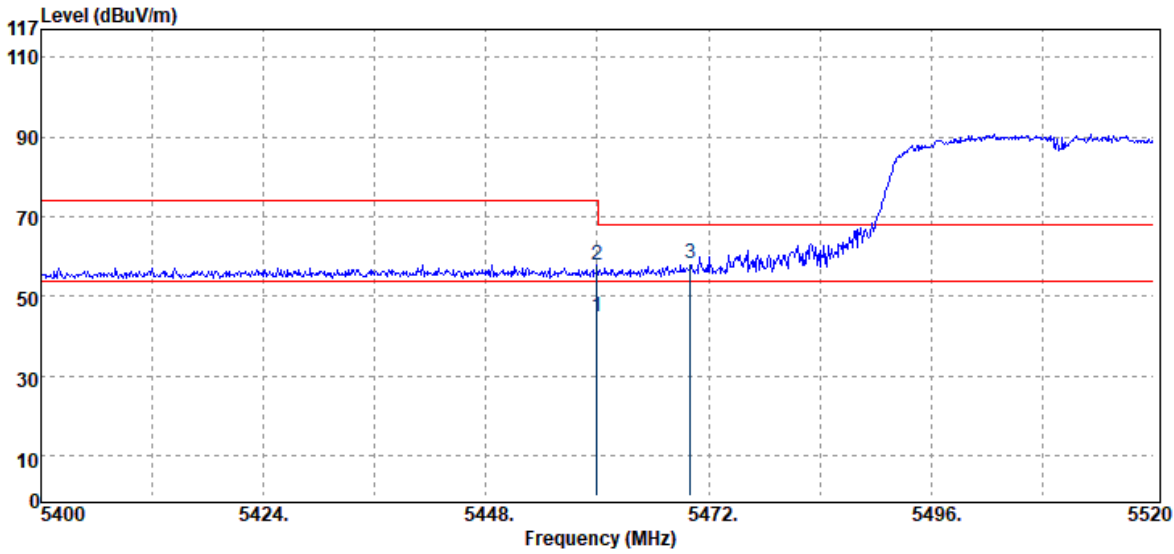
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5460.00	Average	39.48	6.69	46.17	54.00	-7.83
5460.00	Peak	57.24	6.69	63.93	74.00	-10.07
5469.24	Peak	60.35	6.77	67.12	68.20	-1.08
5470.00	Peak	55.41	6.77	62.18	68.20	-6.02

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40B3  
Test Channel :5510 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-20  
Temp./Humi. :23.1/63  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas

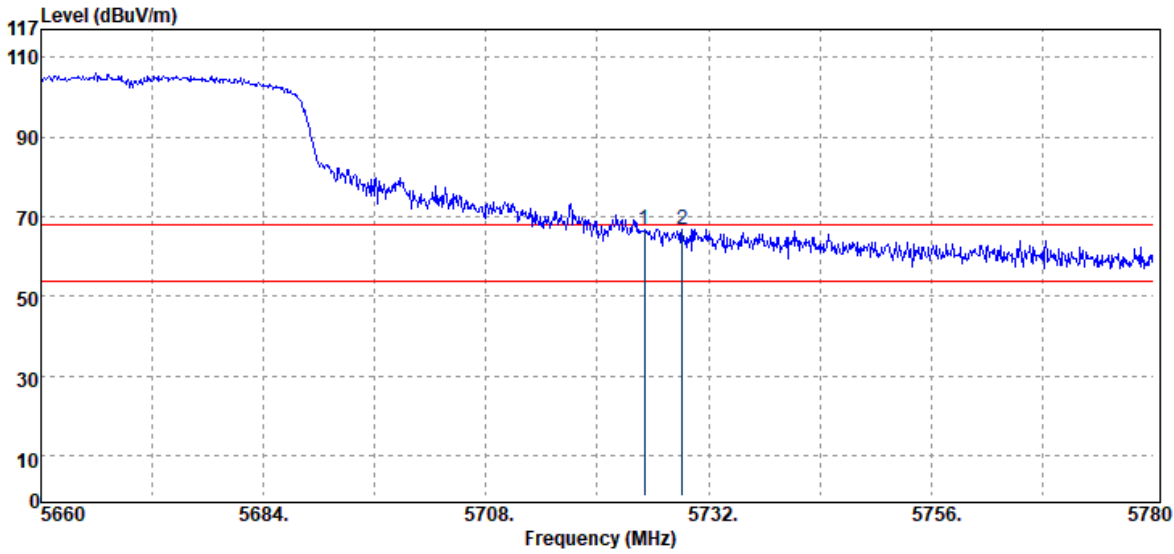


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5460.00	Average	38.41	6.69	45.10	54.00	-8.90
5460.00	Peak	51.16	6.69	57.85	74.00	-16.15
5470.00	Peak	51.43	6.77	58.20	68.20	-10.00

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Report Number	:ER/2019/B0067	Test Date	:2019-12-20
Operation Mode	:802.11n40B3	Temp./Humi.	:23.1/63
Test Channel	:5670 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH High	Engineer	:Thomas
EUT Pol	:E2 Plane		



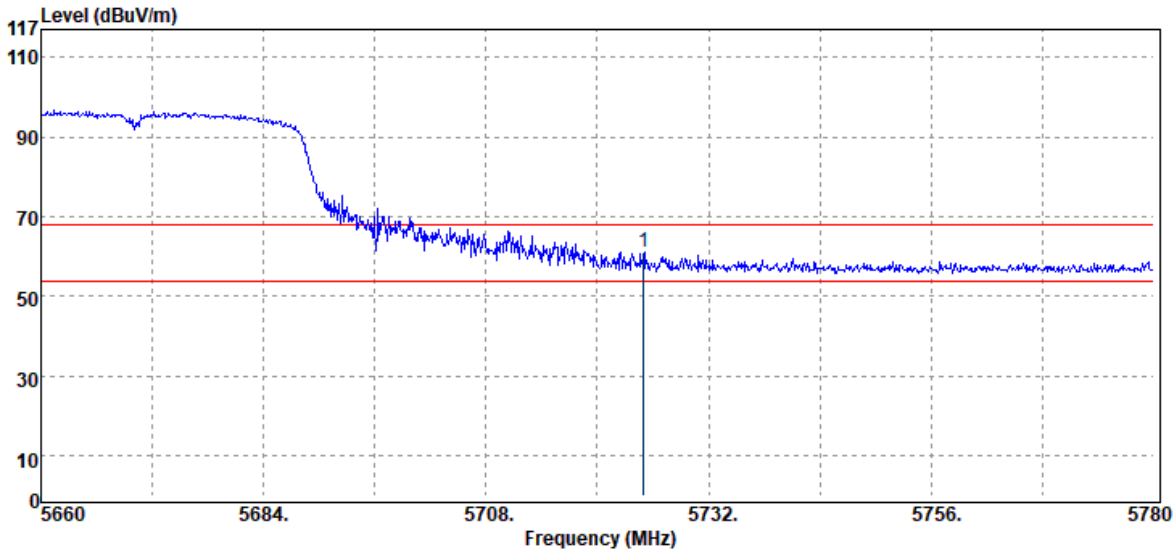
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5725.04	Peak	59.38	7.53	66.91	68.20	-1.29
5729.12	Peak	59.39	7.53	66.92	68.20	-1.28

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n40B3  
 Test Channel :5670 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-20  
 Temp./Humi. :23.1/63  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5725.00	Peak	53.44	7.53	60.97	68.20	-7.23

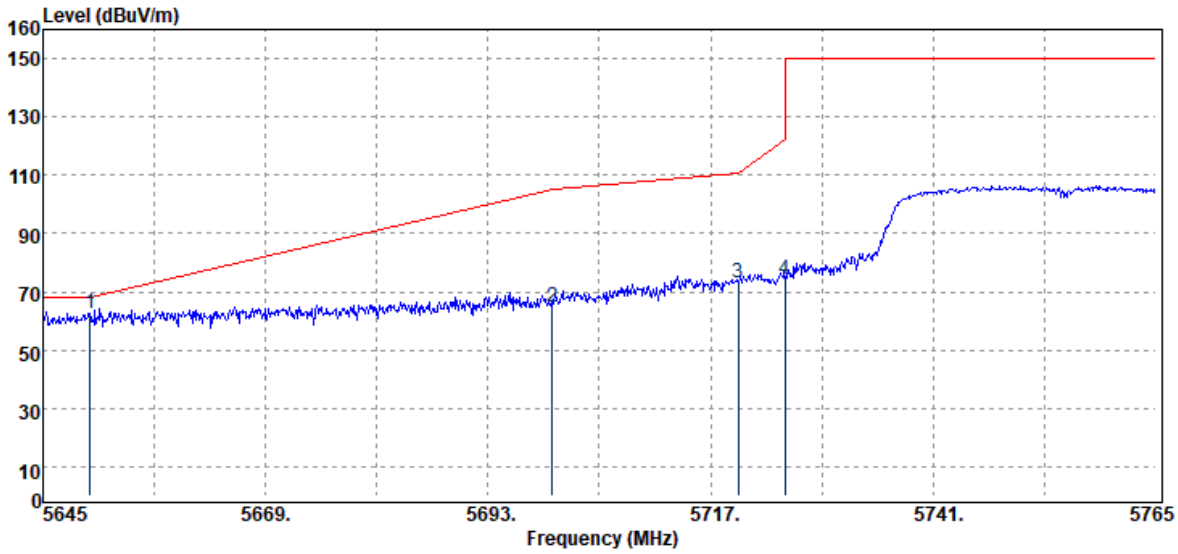
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40B4  
Test Channel :5755 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-20  
Temp./Humi. :23.1/63  
Antenna Pol. :VERTICAL  
Engineer :Thomas



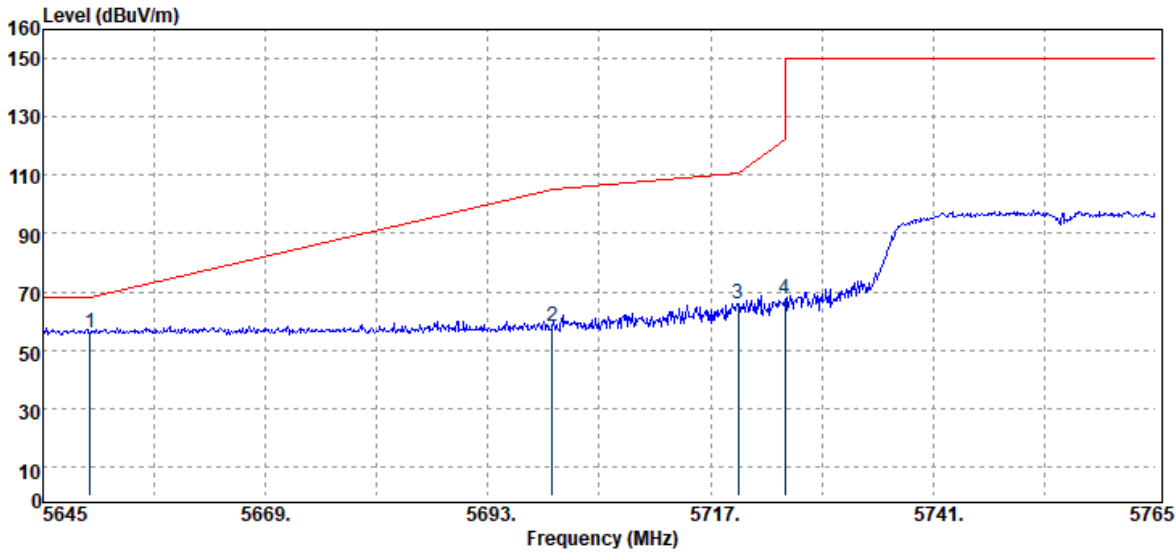
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5650.04	Peak	55.58	7.02	62.60	68.23	-5.63
5699.96	Peak	57.39	7.54	64.93	105.17	-40.24
5720.00	Peak	65.44	7.53	72.97	110.80	-37.83
5725.04	Peak	66.68	7.53	74.21	150.00	-75.79

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Report Number :ER/2019/B0067  
Operation Mode :802.11n40B4  
Test Channel :5755 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-20  
Temp./Humi. :23.1/63  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



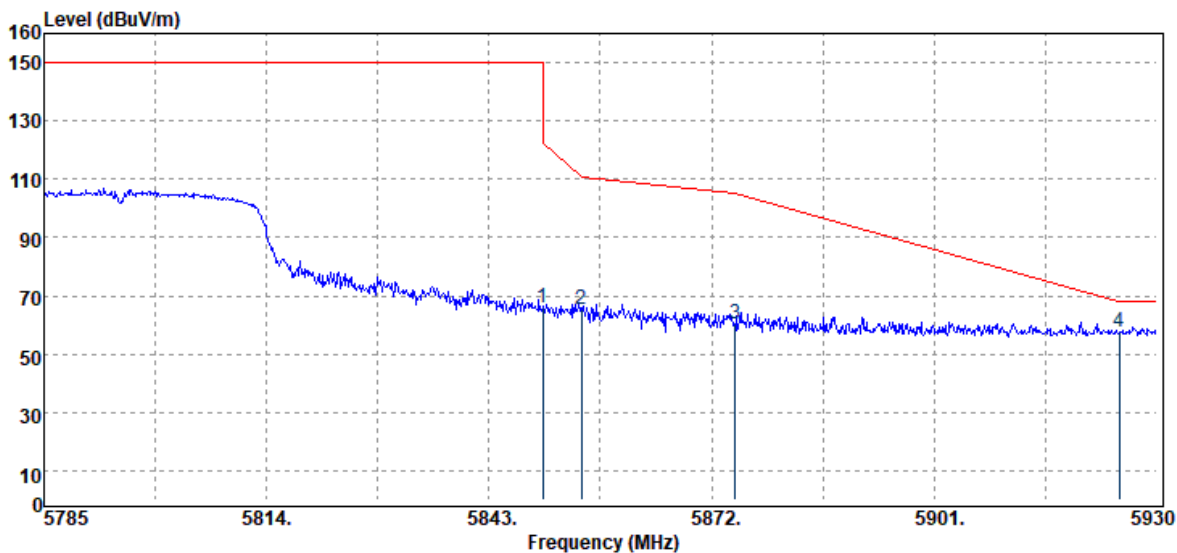
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5650.04	Peak	49.06	7.02	56.08	68.23	-12.15
5699.96	Peak	50.86	7.54	58.40	105.17	-46.77
5720.00	Peak	58.48	7.53	66.01	110.80	-44.79
5725.04	Peak	60.08	7.53	67.61	150.00	-82.39

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Report Number :ER/2019/B0067  
 Operation Mode :802.11n40B4  
 Test Channel :5795 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-20  
 Temp./Humi. :23.1/63  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5849.96	Peak	58.29	7.76	66.05	150.00	-83.95
5855.04	Peak	57.33	7.77	65.10	110.79	-45.69
5875.05	Peak	52.65	7.83	60.48	105.17	-44.69
5925.07	Peak	49.68	7.97	57.65	68.20	-10.55

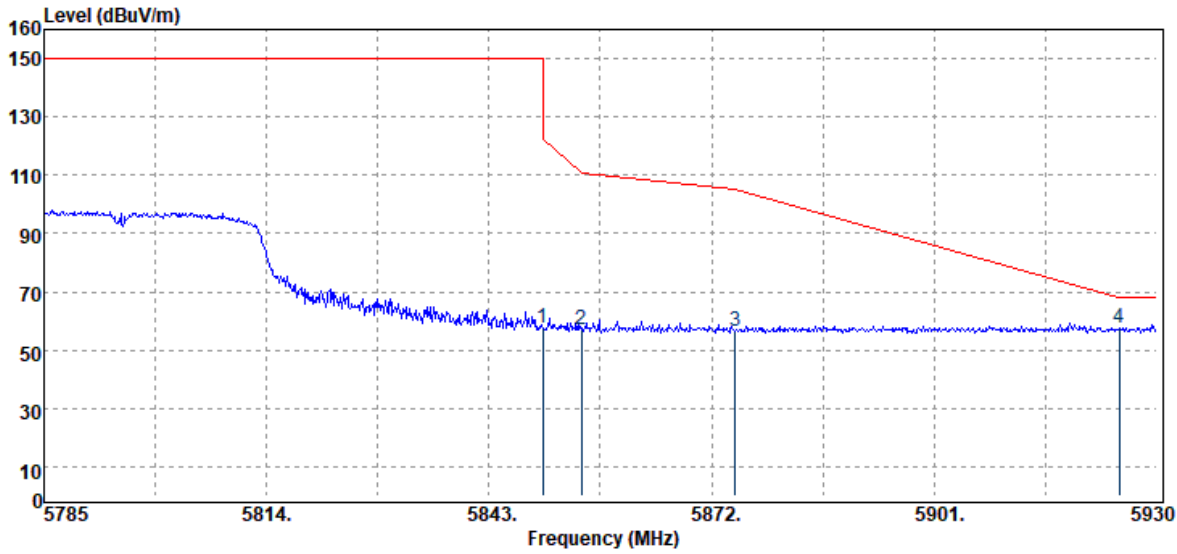
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Report Number :ER/2019/B0067  
Operation Mode :802.11n40B4  
Test Channel :5795 MHz  
Test Mode :Bandedge CH High  
EUT Pol :E2 Plane

Test Date :2019-12-20  
Temp./Humi. :23.1/63  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas

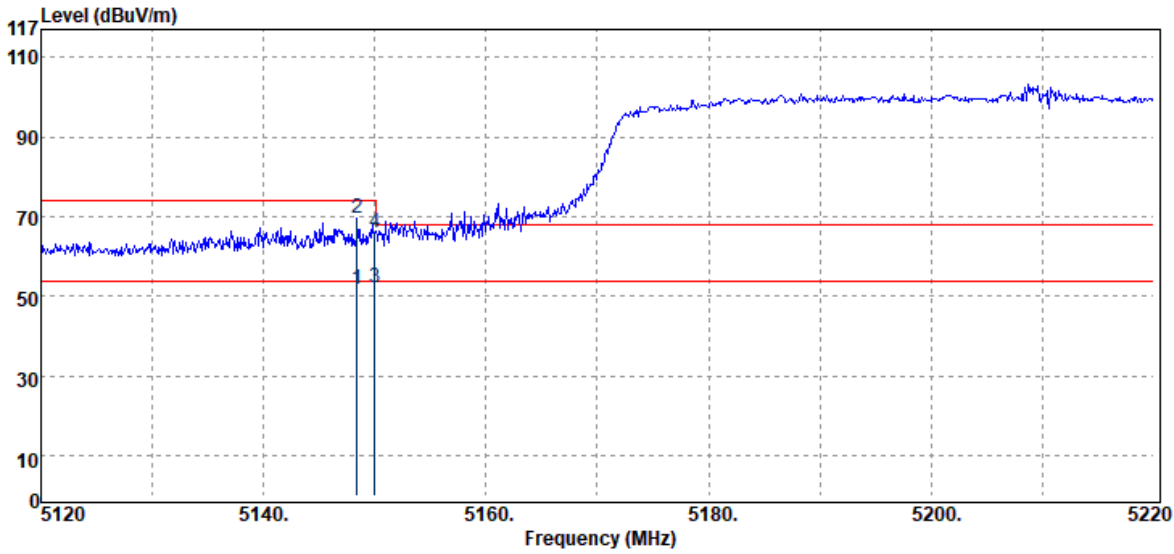


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5849.96	Peak	49.84	7.76	57.60	150.00	-92.40
5855.04	Peak	49.18	7.77	56.95	110.79	-53.84
5875.05	Peak	48.91	7.83	56.74	105.17	-48.43
5925.07	Peak	49.53	7.97	57.50	68.20	-10.70

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Report Number	:ER/2019/B0067	Test Date	:2019-12-20
Operation Mode	:802.11ac80B1	Temp./Humi.	:23.1/63
Test Channel	:5210 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH Low	Engineer	:Thomas
EUT Pol	:E2 Plane		



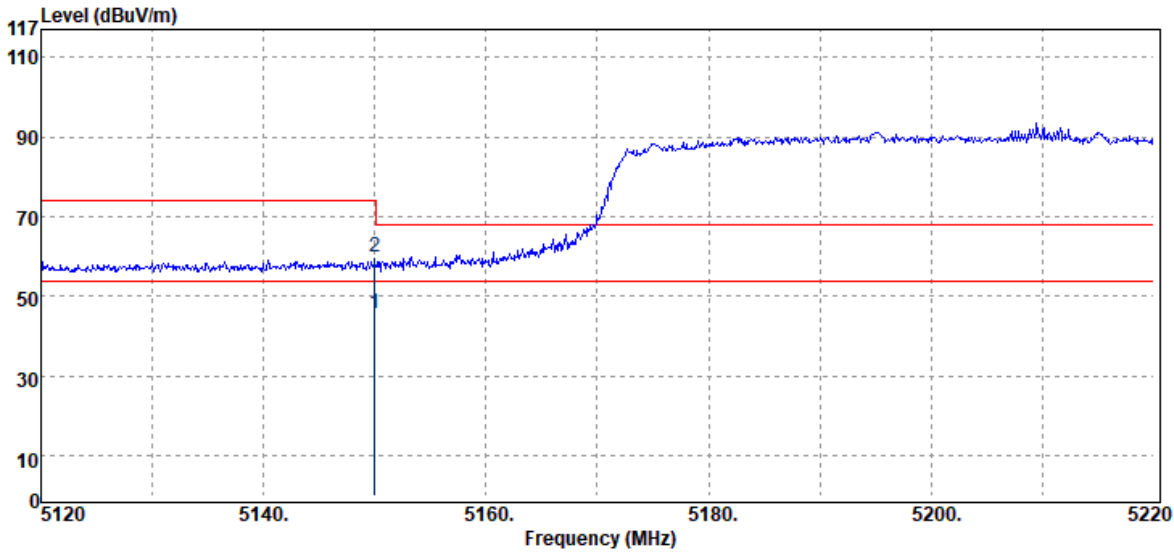
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5148.40	Average	44.90	7.12	52.02	54.00	-1.98
5148.40	Peak	62.34	7.12	69.46	74.00	-4.54
5150.00	Average	45.04	7.10	52.14	54.00	-1.86
5150.00	Peak	58.79	7.10	65.89	74.00	-8.11

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Report Number :ER/2019/B0067  
 Operation Mode :802.11ac80B1  
 Test Channel :5210 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-20  
 Temp./Humi. :23.1/63  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



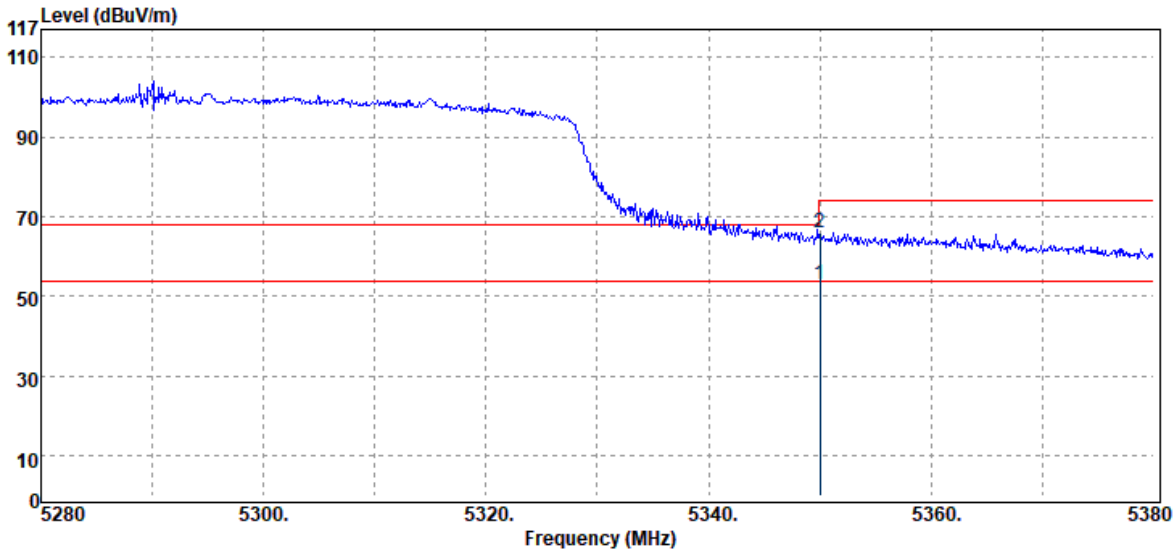
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5150.00	Average	38.50	7.10	45.60	54.00	-8.40
5150.00	Peak	52.90	7.10	60.00	74.00	-14.00

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Report Number	:ER/2019/B0067	Test Date	:2019-12-20
Operation Mode	:802.11ac80B2	Temp./Humi.	:23.1/63
Test Channel	:5290 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH High	Engineer	:Thomas
EUT Pol	:E2 Plane		



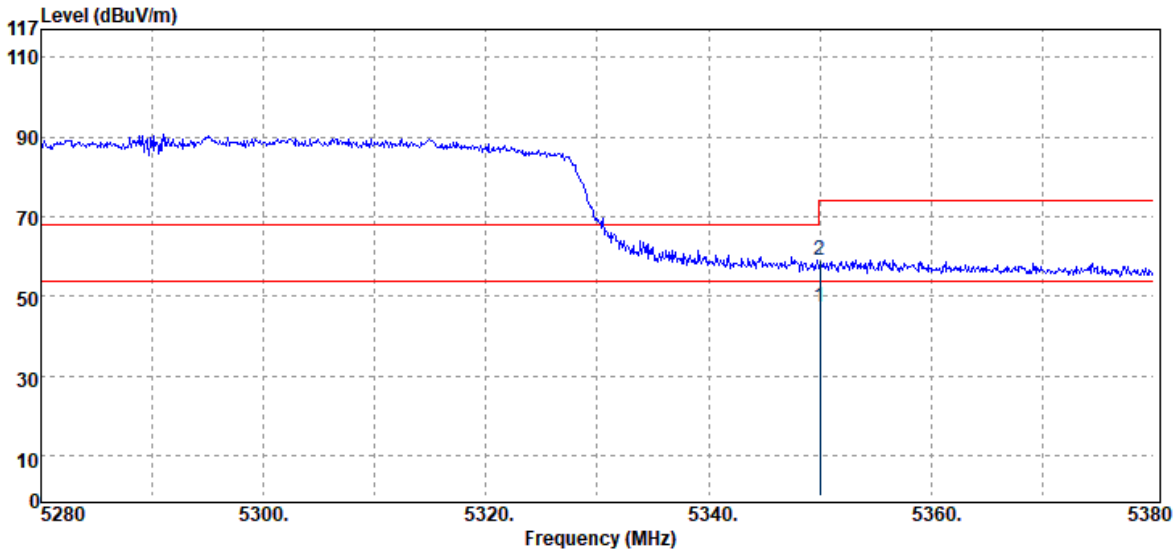
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5350.00	Average	46.75	6.21	52.96	54.00	-1.04
5350.00	Peak	59.89	6.21	66.10	74.00	-7.90

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Report Number :ER/2019/B0067  
 Operation Mode :802.11ac80B2  
 Test Channel :5290 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-20  
 Temp./Humi. :23.1/63  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5350.00	Average	41.00	6.21	47.21	54.00	-6.79
5350.00	Peak	53.06	6.21	59.27	74.00	-14.73

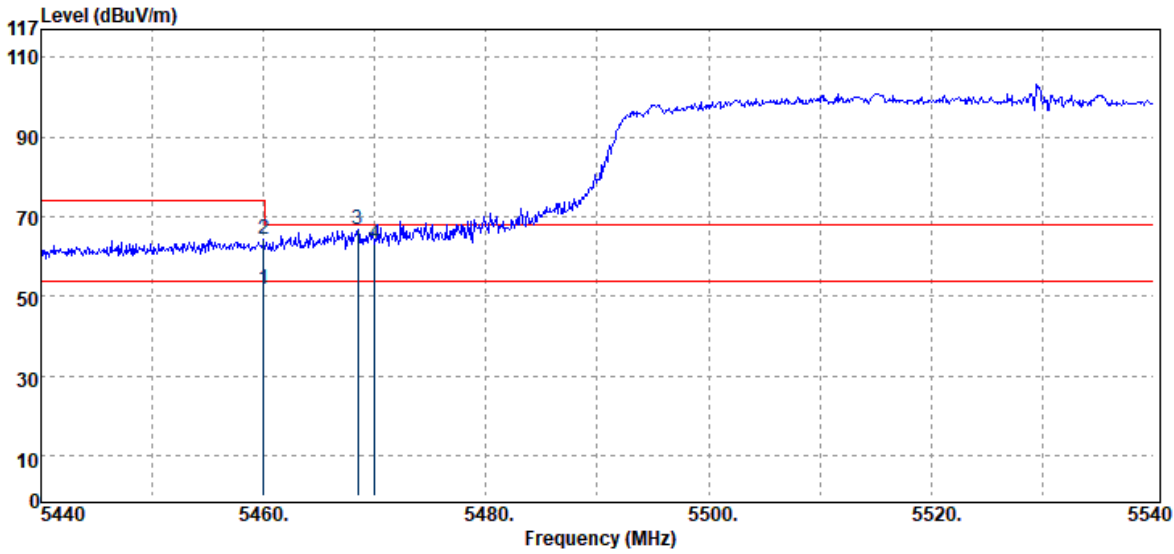
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Report Number	:ER/2019/B0067	Test Date	:2019-12-20
Operation Mode	:802.11ac80B3	Temp./Humi.	:23.1/63
Test Channel	:5530 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH Low	Engineer	:Thomas
EUT Pol	:E2 Plane		



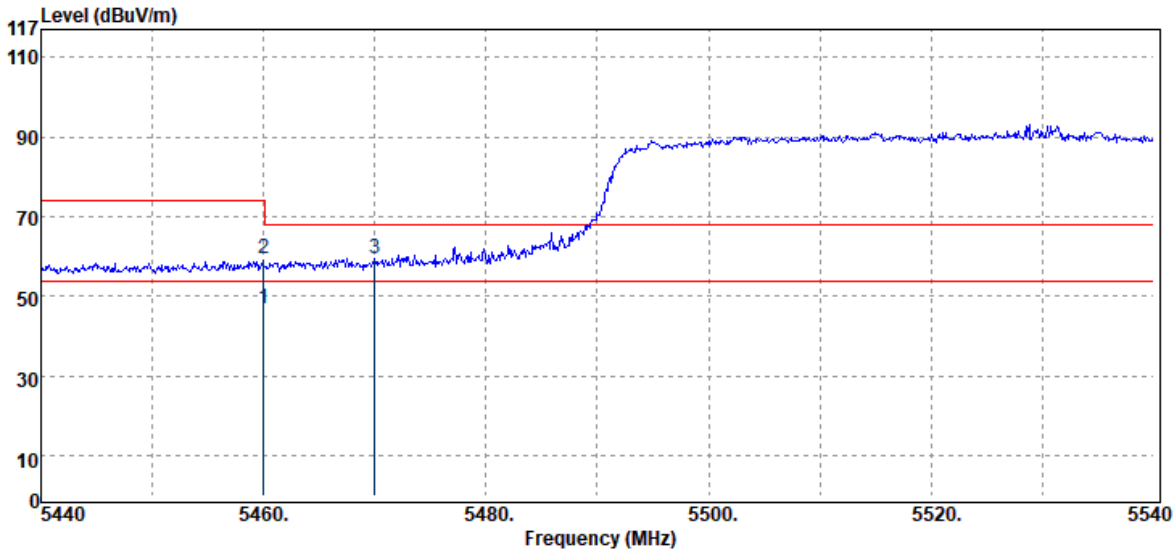
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5460.00	Average	45.15	6.69	51.84	54.00	-2.16
5460.00	Peak	57.65	6.69	64.34	74.00	-9.66
5468.50	Peak	60.07	6.75	66.82	68.20	-1.38
5470.00	Peak	56.52	6.77	63.29	68.20	-4.91

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Report Number :ER/2019/B0067  
 Operation Mode :802.11ac80B3  
 Test Channel :5530 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-20  
 Temp./Humi. :23.1/63  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas

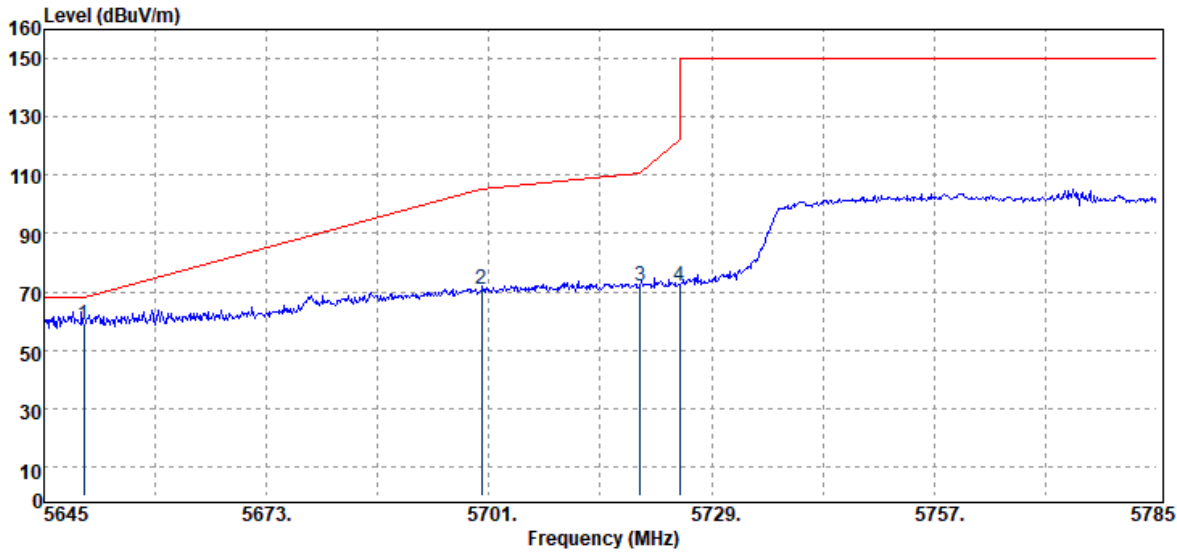


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5460.00	Average	40.37	6.69	47.06	54.00	-6.94
5460.00	Peak	52.88	6.69	59.57	74.00	-14.43
5470.00	Peak	52.93	6.77	59.70	68.20	-8.50

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Report Number	:ER/2019/B0067	Test Date	:2019-12-20
Operation Mode	:802.11ac80B4	Temp./Humi.	:23.1/63
Test Channel	:5775 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH High	Engineer	:Thomas
EUT Pol	:E2 Plane		



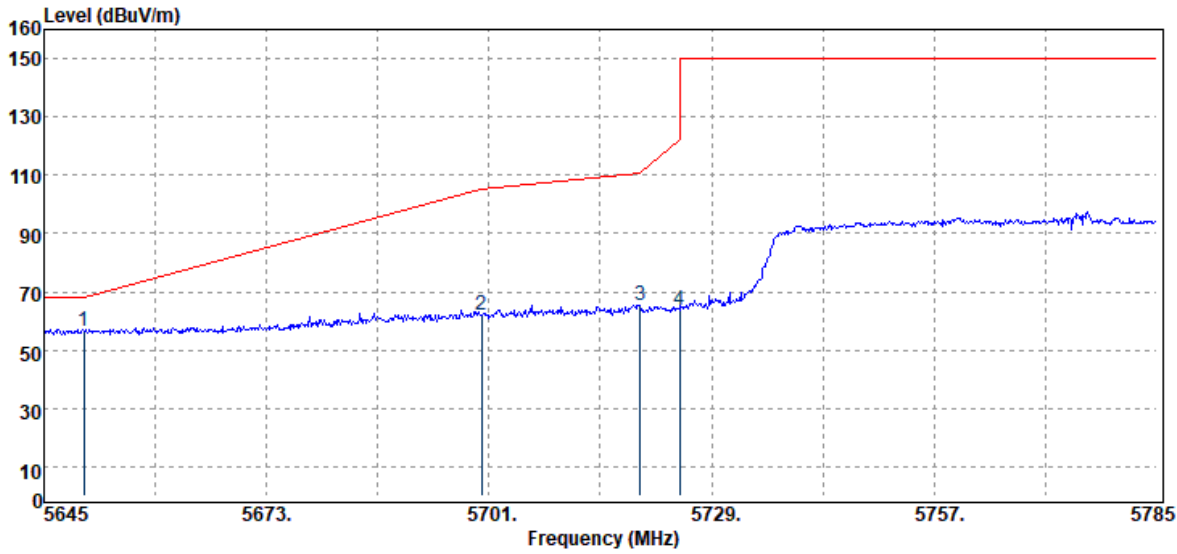
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5650.04	Peak	51.58	7.02	58.60	68.23	-9.63
5700.02	Peak	63.24	7.54	70.78	105.21	-34.43
5720.04	Peak	64.49	7.53	72.02	110.89	-38.87
5724.94	Peak	64.49	7.53	72.02	122.06	-50.04

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Report Number :ER/2019/B0067  
Operation Mode :802.11ac80B4  
Test Channel :5775 MHz  
Test Mode :Bandedge CH High  
EUT Pol :E2 Plane

Test Date :2019-12-20  
Temp./Humi. :23.1/63  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



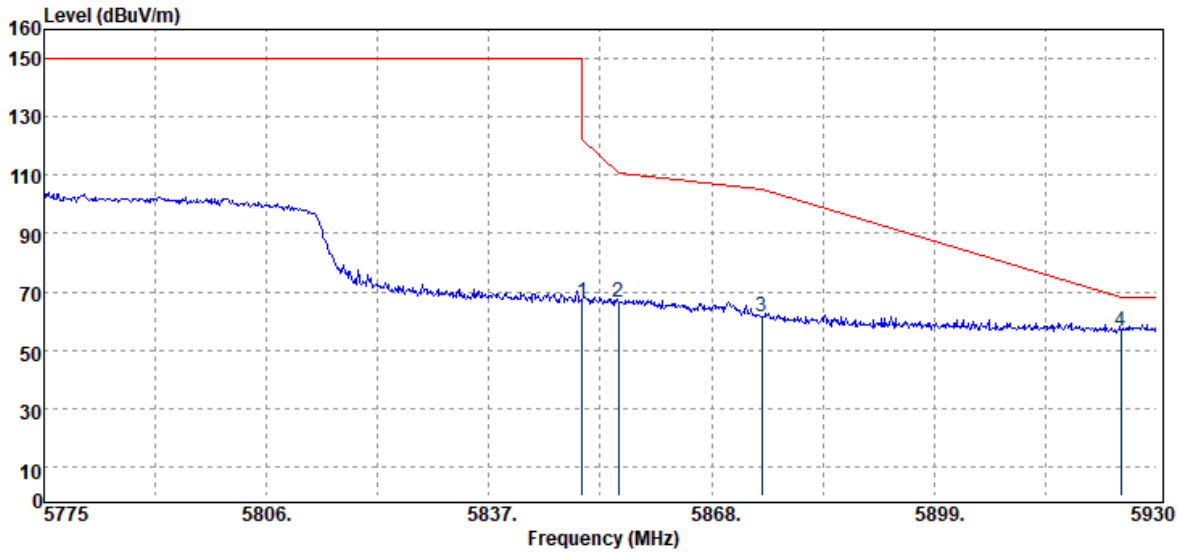
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5650.04	Peak	49.53	7.02	56.55	68.23	-11.68
5700.02	Peak	54.57	7.54	62.11	105.21	-43.10
5720.04	Peak	57.64	7.53	65.17	110.89	-45.72
5724.94	Peak	56.18	7.53	63.71	122.06	-58.35

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Report Number :ER/2019/B0067  
 Operation Mode :802.11ac80B4  
 Test Channel :5775 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-20  
 Temp./Humi. :23.1/63  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.02	Peak	58.73	7.76	66.49	122.15	-55.66
5854.98	Peak	58.93	7.77	66.70	110.85	-44.15
5874.98	Peak	53.49	7.83	61.32	105.21	-43.89
5925.04	Peak	48.73	7.97	56.70	68.20	-11.50

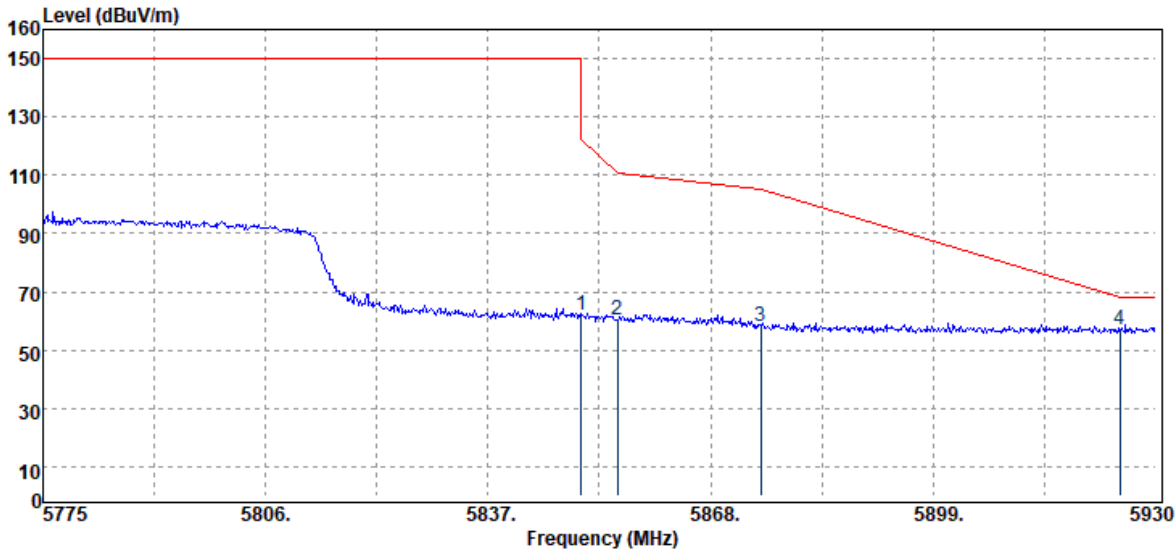
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Report Number :ER/2019/B0067  
 Operation Mode :802.11ac80B4  
 Test Channel :5775 MHz  
 Test Mode :Bandedge CH High  
 EUT Pol :E2 Plane

Test Date :2019-12-20  
 Temp./Humi. :23.1/63  
 Antenna Pol. :HORIZONTAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.02	Peak	54.11	7.76	61.87	122.15	-60.28
5854.98	Peak	52.74	7.77	60.51	110.85	-50.34
5874.98	Peak	50.53	7.83	58.36	105.21	-46.85
5925.04	Peak	49.07	7.97	57.04	68.20	-11.16

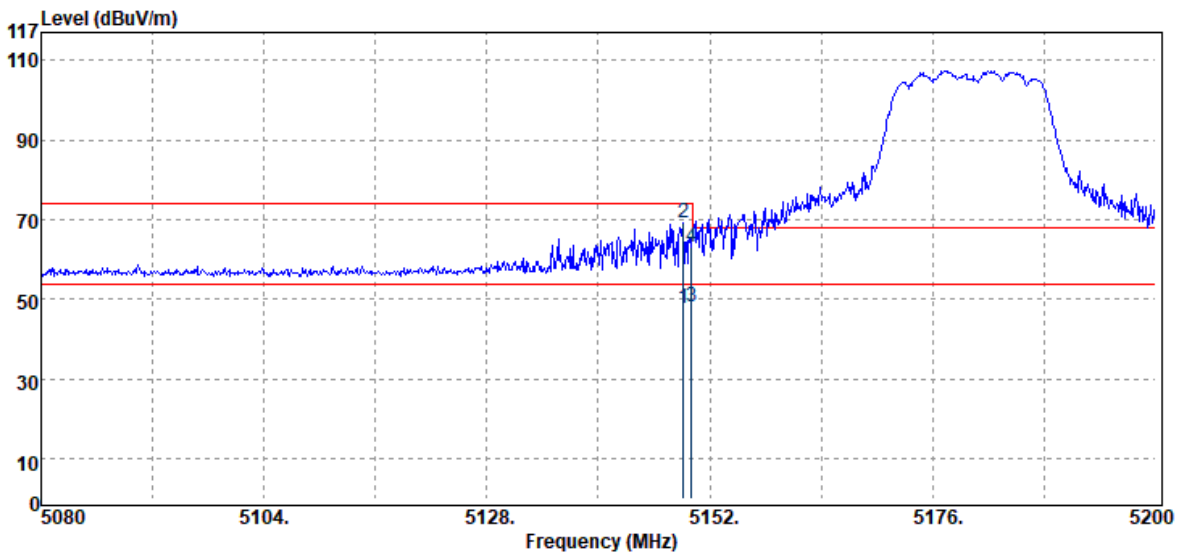
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**PCB Antenna (Part No.: FXP830.07.0100C)**

Report Number	:ER/2019/B0067	Test Date	:2019-12-25
Operation Mode	:802.11aB1	Temp./Humi.	:22.8/66
Test Channel	:5180 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Bandedge CH Low	Engineer	:Thomas
EUT Pol	:E2 Plane		



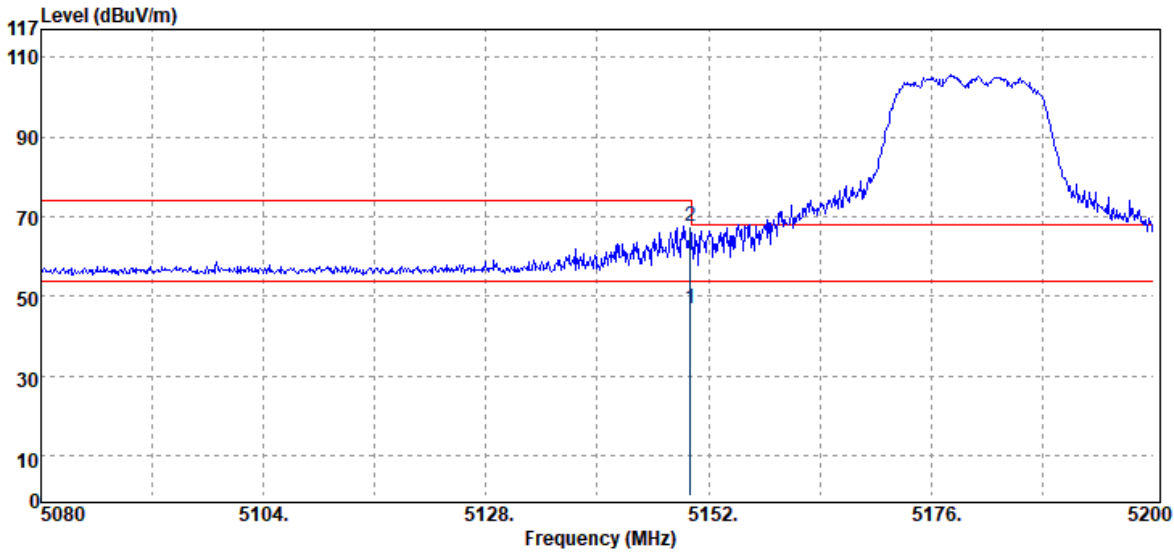
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5149.12	Average	40.72	7.12	47.84	54.00	-6.16
5149.12	Peak	61.96	7.12	69.08	74.00	-4.92
5150.00	Average	41.12	7.10	48.22	54.00	-5.78
5150.00	Peak	56.09	7.10	63.19	74.00	-10.81

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Report Number :ER/2019/B0067  
Operation Mode :802.11aB1  
Test Channel :5180 MHz  
Test Mode :Bandedge CH Low  
EUT Pol :E2 Plane

Test Date :2019-12-25  
Temp./Humi. :22.8/66  
Antenna Pol. :HORIZONTAL  
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5150.00	Average	39.78	7.10	46.88	54.00	-7.12
5150.00	Peak	60.31	7.10	67.41	74.00	-6.59

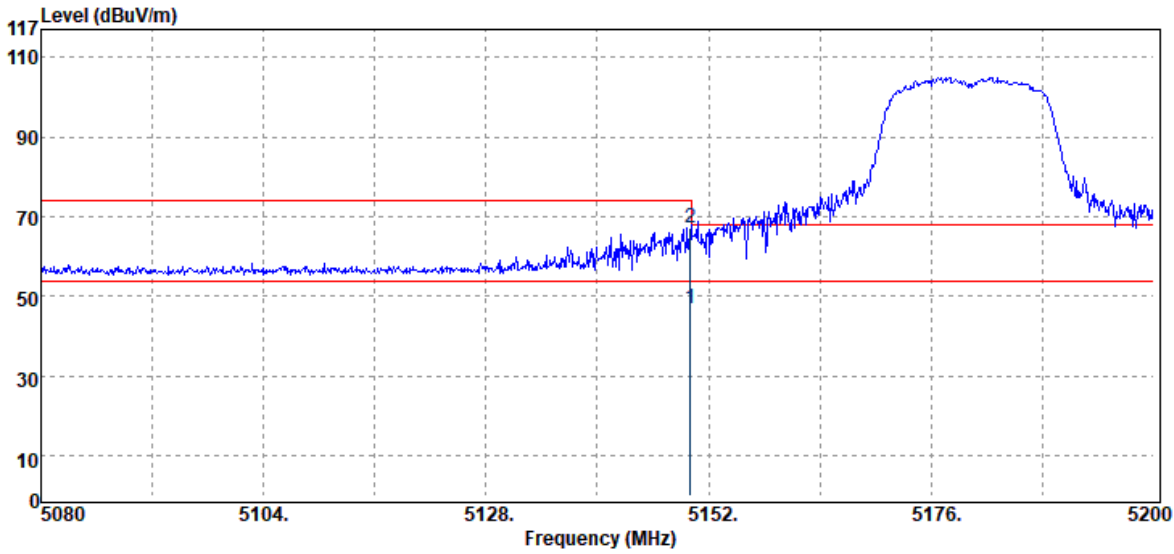
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Report Number :ER/2019/B0067  
 Operation Mode :802.11n20B1  
 Test Channel :5180 MHz  
 Test Mode :Bandedge CH Low  
 EUT Pol :E2 Plane

Test Date :2019-12-25  
 Temp./Humi. :22.8/66  
 Antenna Pol. :VERTICAL  
 Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5150.00	Average	40.04	7.10	47.14	54.00	-6.86
5150.00	Peak	60.27	7.10	67.37	74.00	-6.63

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